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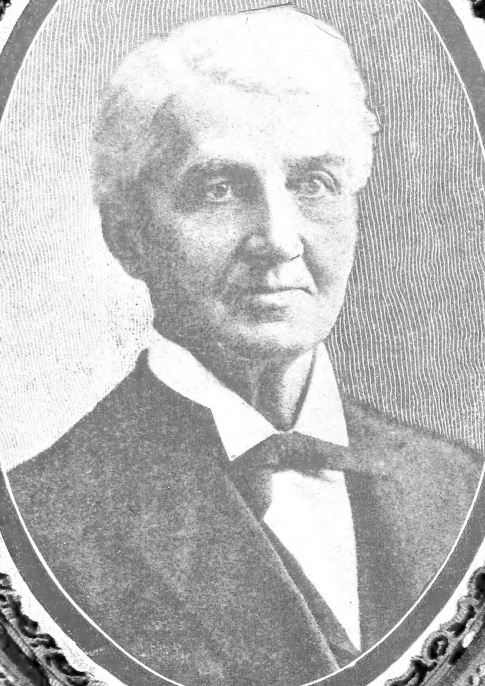
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# THE HENRY PHILIPPS

ESTABLISHED 1852.

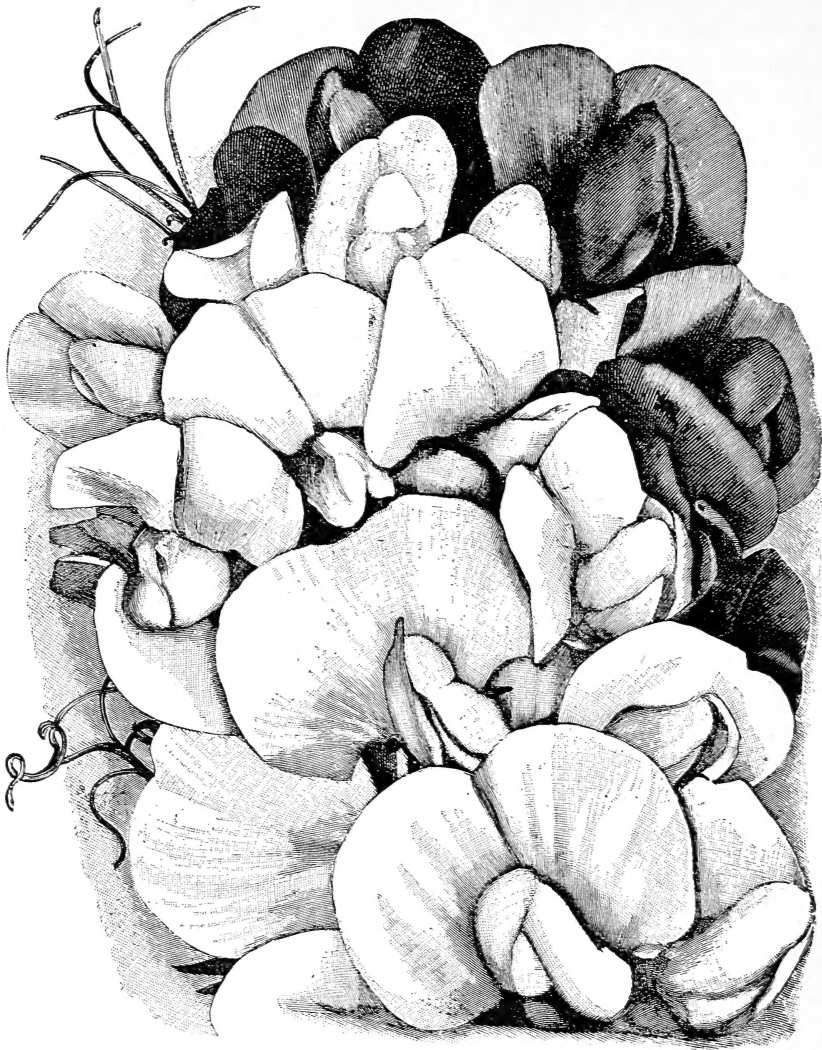
INCORPORATED 1888.

SEED & IMPLEMENT CO. D. C.  
Department of Agriculture,  
1903



Growers, Importers,  
Wholesale & Retail Dealers in  
GARDEN,  
FIELD AND FLOWER  
**SEEDS.**

Nos. 115-117 ST. CLAIR ST. TOLEDO, OHIO.



#### HARDY SWEET PEAS.

This engraving represents a bunch of the Hardy Sweet Peas we are now offering to our customers.

The seed of this perennial Sweet Pea can be sown either in the Spring or Fall.

If sown in the Spring the seed should be soaked in warm, not hot, water for a day or two before planting in light rich soil in an average temperature of about 60 degrees.

When the plants are large enough, and the weather becomes warm, they may be transplanted where they are to remain, and will always be a source of pleasure the entire Summer.

Sold only in 25-cent packets. Do not fail to order a packet.

#### TO OUR FRIENDS AND CUSTOMERS:

With much pleasure we present to you our Annual Catalogue for 1903.

Please remember we are **Growers and Importers** of all kinds of **Garden, Field and Flower Seeds**, and can sell you just as good seed as any seedsmen has to offer.

Kindly read our Catalogue over carefully in its different departments, and we know you will find much to interest you.

We want your trade and ask that you let us know your wants, when we will be pleased to mail you any information at our command, also quote you right prices for **best Seeds and Implements** money will buy.

For Vegetable Seeds.....	Read pages	3 to 52
For Flower Seeds, Plants and Bulbs.....	" "	52 to 62
For Field and Grass Seeds.....	" "	62 to 72
For Fertilizers, Poultry Supplies and Incubators.....	" "	72 to 76
For Sprayers, Insecticides and Spraying Formulas.....	" "	76 to 81
For Implements and Machinery.....	" "	81 to 88

Put this book where you can find it when wanted, or better still, send us your order at once, and have it filled before the rush at seeding time.

Be neighborly and trade your money for our goods.

We shall hope to hear from you soon and often during the year 1903.

**THE HENRY PHILIPPS SEED AND IMPLEMENT CO.**



# Pioneer Seed House of Toledo.

## FIFTY-ONE YEARS' EXPERIENCE.



We were "born and raised" in the Seed Business, and our customers get the benefit of a lifetime of experience. Our customers also have the advantage of our unequalled shipping facilities. Toledo, with twenty-five railroads, besides eight express companies, many steamship lines and central location, is far ahead of any other city in this respect.

We have many Seeds in stock that on account of lack of room we cannot catalogue, so please remember that we can furnish **any kind of Seeds** that any seedsman can, and do not hesitate to send to us for **anything** in that line. Also look through the other departments—you may find there just what you are looking for.

The **Market Gardener** or progressive, practical **farmer** does not look for **CHEAPNESS** when buying his Seed. What he wants is Seed **TRUE TO NAME** and of **STRONG VITALITY**, which he certainly gets when he buys **PHILIPPS' PIONEER BRAND SEEDS**.

**MAIL ORDER BUSINESS.**—We have no canvassers or agents to solicit orders. All outside business is done through mail orders direct to us. This means a saving to our patrons as well as to the firm. Close and prompt attention to such orders and honorable dealing have assured us a steady growth, and we now enjoy an immense mail order business. Our friends and patrons have found by experience that buying through letter is as safe and satisfactory as buying over the counter, and have materially assisted in the extension of our business.

**SEEDS POSTPAID BY MAIL.**—All **VEGETABLE** and **FLOWER SEEDS** (not **Field Seeds**) by the packet, ounce or pound, will be delivered by us, **POSTAGE PAID AND FREE OF ALL EXPENSE**. When **BEANS**, **CORN** and **PEAS** are ordered we have to request an additional 15c. per quart, to be added for part postage on same. This system places our store at your very door, and enables customers thousands of miles away to obtain their supplies as cheaply as if they called in person at our store.

**NOVELTIES.**—We devote considerable time each year to testing the various so-called novelties offered by the seed dealers of this and other countries, and whenever we discover anything desirable we offer it to our customers. In each department of this catalogue we offer a number of well tested novelties, which we are sure will prove satisfactory.

**QUALITY OF SEEDS.**—We don't buy cheap Seeds. We have our Seeds grown by the most celebrated and reliable Seed growers, and it is our constant aim to send out only Seeds of superior quality, and the prices we ask for them will compare favorably with those of any first-class house. We guarantee that all our Seeds are of good germinating quality. All persons conversant with horticultural operations will, however, know that at times the best of seeds fail to grow, owing to causes we cannot control and entirely beyond our responsibility.

**ADDRESS, Etc.**—In ordering please be particular to write your **NAME**, also that of your **POSTOFFICE**, **COUNTRY** and **STATE** plainly, also mention the mode of conveyance you prefer—whether by mail, express or freight. Serious delays are sometimes occasioned by failure to give attention to these matters. When not specified we shall use our best judgment. When goods are sent **C. O. D.**, return charges will be added. As the prices of articles are catalogued, the purchaser can save the return charges by enclosing the remittance with the order.

**ORDER EARLY.**—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the Spring trade. Please use our order sheet, as it makes it more convenient for us in filling orders.

**GUARANTEE.**—Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best Seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil, insects of different descriptions destroying the plants as soon or before they appear; wet weather, cold weather, frosts, chemical changes in the Seeds induced by temperature, etc. For these reasons it is impracticable to guarantee Seeds under all circumstances and while we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty expressed or implied. If the purchaser does not accept the Seeds on these terms and conditions, they must be returned at once, and the money that has been paid for them will be refunded.

**HOW TO SEND MONEY.**—Cash should always accompany the order. We will be responsible for money sent us by **Postoffice Order**, **Express Money Order**, **Bank Draft**, **Express**, or by **Registered Letter**.

**Bills, Coin, or Stamps** (we accept postage stamps same as cash) can be sent safely by registered letter. Every postmaster is required to register any letter on payment of eight cents extra postage. We will in no way be responsible for **Stamps** or **Money** enclosed in a letter without registering. In case it is possible to send in no other way than **U. S. Postage Stamps**, we prefer the two-cent letter stamps, and care should be taken not to have them get moist and stick together.

*The Henry Philipps Seed & Implement Co.*

# Philipps' Northern Grown, Double Tested, Pioneer Brand Seeds.

## ALL OUR SEEDS ARE TESTED VERY CAREFULLY,

And a record is kept of the percentage of each variety that grows, so nothing is sent out but will germinate and prove as represented. We do not sell undersized packets at 3 cents, but advertise **5-cent packets that hold 5 cents' worth of seed**, and any one buying them can easily see the difference as compared with the 3-cent packets sold by some other seedsmen.

We put nothing out on commission, therefore have no old Seed returned at the end of the season to be disposed of the next year.

## SPECIAL OFFER ON SEEDS IN PACKETS.

This offer is by Mail, Postage Paid by Us to any Postoffice in the United States.

**PACKET SEED DISCOUNTS.**—This does not refer to Seeds offered by weight or measure, but to Seeds in packets only. Nor does it refer to Potatoes, Onion Sets, or Bulbs.

For 25 cents you may select 6 five-cent packages of Vegetable or Flower Seeds.

For 50 cents you may select 15 five-cent packages of Vegetable or Flower Seeds.

For \$1.00 you may select Seeds in Packets (no ounces, remember) to amount of \$1.50.

For \$2.00 you may select Seeds in Packets (no ounces, remember) to amount of \$3.25.

For \$5.00 you may select Seeds in Packets (no ounces, remember) to amount of \$8.50.

## BULK SEED DISCOUNTS TO LARGE CONSUMERS.

This discount refers to Seeds quoted in catalogue by weight or measure, and not to Potatoes, Onion Sets, or Clover, Timothy and other Grass and Field Seeds, as some mistook it last season, neither to Seeds in packets.

On an order of \$ 5.00—10 per cent.

On an order of \$10.00—12 per cent.

On an order of \$20.00—15 per cent.

On an order of \$ 50.00—18 per cent.

On an order of \$100.00—20 per cent.

On an order of \$500.00—25 per cent.

## BIG COLLECTION---\$1.00 BY MAIL, POSTPAID.

- 1--One Pkt. Beans, Refugee, or 1,000 to 1.
- 2-- " Beans.
- 3-- " Beet, Early Blood Turnip.
- 4-- " Cabbage, Extra Early Jersey Wakefield
- 5-- " Cabbage, Improved Autumn King.
- 6-- " Celery, White Plume.
- 7-- " Corn, Sweet, Stowell's Evergreen.
- 8-- " Cucumber, Long Green Improved.
- 9-- " Cucumber, Toledo Market Evergreen.
- 10-- " Lettuce, Grand Rapids.
- 11-- " Lettuce, New Salamander.
- 12-- " Watermelon, Improved Dixie.
- 13-- " Muskmelon, Extra Early Hackensack.
- 14-- " Onion, Yellow Danvers.
- 15-- " Onion, Prize Taker.
- 16-- " Pepper, Ruby King.

- 17--One Pkt. Parsnip, Hollow Crown.
- 18-- " Peas, Philipps' Early Summit.
- 19-- " Peas, Telephone, Late.
- 20-- " Radish, Early Scarlet Turnip.
- 21-- " Radish, Improved Chartier.
- 22-- " Squash, Toledo Warted Hubbard.
- 23-- " Tomato, Improved Stone.
- 24-- " Tomato, Dwarf Champion.
- 25-- " Turnip, Purple Top, Strap Leaf.
- 26-- " Turnip, Monarch Swede Rutabaga
- 27-- " Sweet Peas, Mixed Flowering.
- 28-- " Mignonette, Sweet.
- 29-- " Balsam, Double Mixed.
- 30-- " Pansy, Mixed.
- 31-- " Nasturtium, Mixed.
- 32-- " Zinnia.

You cannot beat this collection for the money.

Remember these are full-sized packets.

To Market Gardeners we make Special Prices, and ask that you submit your order for same.

# VEGETABLE SEEDS.

## ARTICHOKE.

**CULTURE.**—Sow in April in rich soil and transplant to permanent beds the next Spring, in hills three feet apart each way, with three plants to a hill. A rich deep loam is required and plenty of moisture.

The **Globe Artichoke** is cultivated for its flowerheads, which are cooked like Asparagus. On account of its hardness, easy culture and perennial nature, plants will remain in bearing a long time. Sow seed in April and May.

**Large Green Globe** is the most popular and best for general cultivation. Paper 5c; oz. 30c; 1b. \$2.50.

**Tuberous-Rooted Artichoke**—**NEW WHITE.** Well known throughout the country. The roots are esteemed for pickling and profitable crop to grow for feeding hogs, colts, calves and sheep. Yield sometimes 1,000 bushels per acre. Like parsnips, freezing solid and thawing many times does not spoil them, so it is not necessary to dig them for Spring use. Six bushels plant an acre. Per peck 50c; bushel \$1.50. If by mail, postpaid, 25c per lb.

## ASPARAGUS.

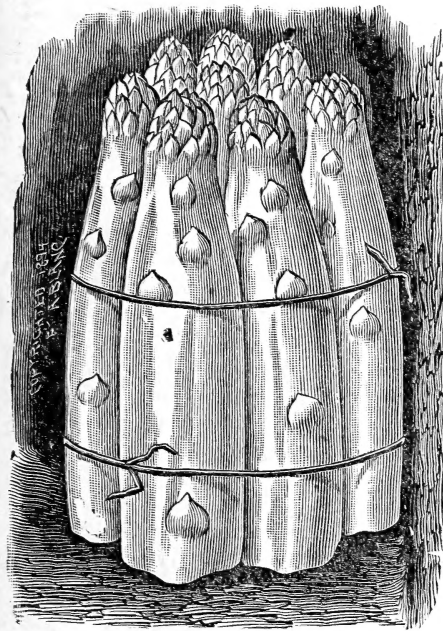
**CULTURE.**—Sow early in Spring in drills two inches deep, rows one foot apart; keep clear from weeds by frequent weeding. When one or two years old transplant into permanent beds, which should be made rich by plenty of manure. The perfection of the shoots depends mainly upon the favorable condition of the soil. Set the plants in the rows about one foot apart, with crown of the root three inches below the surface. Every Fall remove the stalks and apply a good dressing of manure, which it would be well to stir in the following Spring with a liberal dressing of fine salt.

**Conover's Colossal.** A well tried standard variety; large size, quick growth, excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c

**Palmetto.** Very early and desirable on account of its large size, even and regular growth, great productiveness and excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Barr's Mammoth.** Of very large, quick growth. Earlier than the Conover's Colossal and more than twice as large. It is wonderfully productive throughout the entire season; very tender and very delicious flavor. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Columbian Mammoth White.** This variety is a sport from Conover's Colossal, and originated on the farm of a prominent Asparagus grower on Long Island. It produces pure white shoots and requires no artificial blanching. On this account it brings in the market a much higher price than any other sort. It is a strong grower and comes remark-



ably true from seed—not more than ten per cent. reverting to the type. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

## ASPARAGUS ROOTS.

By purchasing **GOOD STRONG ROOTS** one or two years' time is saved.

**Columbian Mammoth White.** By mail, postpaid, 50 roots, \$1.00; 100 roots, \$1.50. By express, not prepaid, 100 roots, 75c; 500 roots, \$2.50; 1,000 roots, \$5.00.

**Conover's Colossal.** By mail, postpaid, 50 roots, 50c; 100 roots, 90c. By express, not prepaid, 100 roots, 60c; 500 roots, \$2.00; 1,000 roots, \$4.00.

**Palmetto.** By mail, postpaid, 50 roots, 70c; 100 roots, \$1.25. By express, not prepaid, 100 roots, 60c; 500 roots, \$2.50; 1,000 roots, \$5.00.

**Barr's Mammoth.** By mail, postpaid, 50 roots, 70c; 100 roots, \$1.25. By express, not prepaid, 100 roots, 60c; 500 roots, \$2.50; 1,000 roots, \$4.50.

## BEANS.

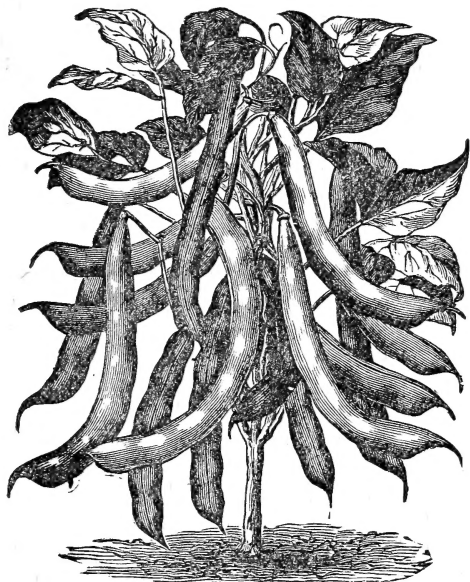
### DWARF BUSH VARIETIES.

The Bean crop is a very short one this year and prices are high.

Of the many varieties of Beans, the following list comprises the very best of all, of which our stock is extra choice, the stock each year being carefully "rogued" and the seed stocks improved by continued intelligent selection.

**CULTURE.**—About the first of May select a warm, dry sheltered spot; dig and manure slightly; make drills two inches deep and two feet apart; drop the Beans three inches apart in the drills and cover not more than two inches deep. Keep hoed (when not wet) and the weeds killed. Sow every two weeks for a succession.

## PHILIPPS' DWARF OR SNAP BEANS---Green Podded Varieties.



Improved Extra Early Round Pod Red Speckled Valentine.

**White Kidney.** Excellent, either green or ripe; early and very prolific. Pkt. 5c; pint 10c; quart 20c; peck \$1.00.

**White Marrowfat.** Good as either a string or shell Bean; heavy cropper. Pkt. 5c; pint 10c; quart 20c; peck \$1.00.

**White Navy, or Boston Pea Beans.** Pkt. 5c; pint 10c; quart 15c; peck 75c.

**Improved Extra Early Round Pod Red Speckled Valentine.** A select strain of Early Red Valentine, ripening very uniformly and producing enormously. Pods tender and succulent; the most profitable sort for the gardener; ready to pick in 35 days. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

**Early Mohawk.** Long, flat and straight pod; very hardy. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

**Long Yellow Six Weeks.** Extra Early and a most excellent variety; the leading market sort; has full, flat pods. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

**Horticultural Dwarf.** Excellent quality as a shell Bean, either green or dry; equal to the pole Bean, easier to cultivate. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

### Canadian Wonder, or Rose Bean.

Of very dwarf habit. Pods tender and delicious, growing long, frequently fifteen inches. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

### The Goddard, or Boston Favorite.

Particularly valuable as a shell Bean, being very large, handsome, and of delicious flavor either green or dry; it is very productive. Pkt. 5c; ½ pint 10c; pint 15c; quart 25c; peck \$1.25.

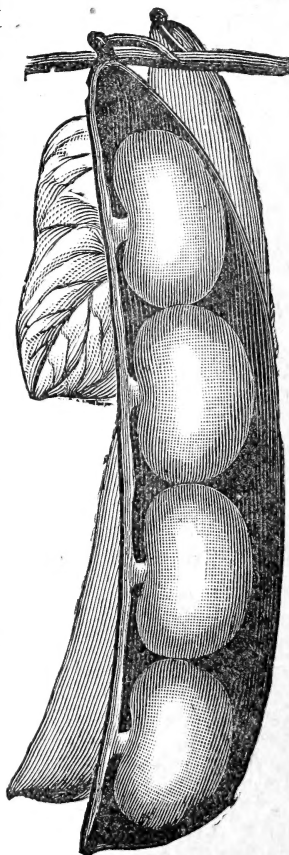
**Refugee, or 1000 to 1.** Medium to late; very productive and tender, and largely grown for main crop; round pod. Pkt. 5c; ½ pint 10c; pint 15c; quart 20c; peck \$1.00.

## BUSH LIMAS.

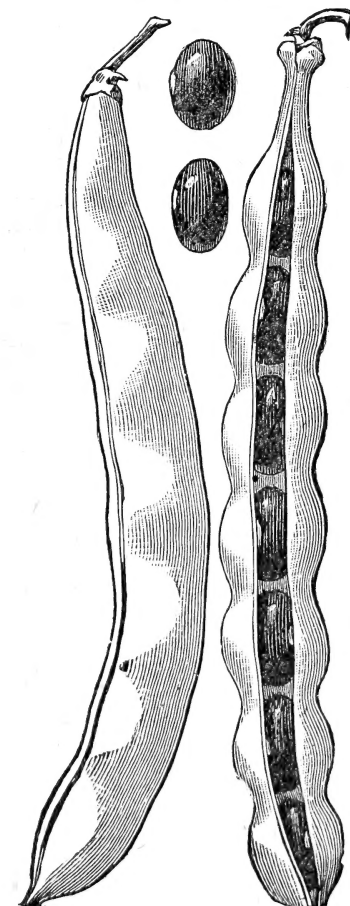
**The Bush Limas** grow without aid of stakes or poles, in compact bush form, 15 or 18 inches high; produce enormous crops of delicious Lima Beans which can be as easily gathered as the common garden bush Bean. They are earlier than the climbing Limas and bear until frost.

**Henderson Bush Lima or Dwarf Sieva.** The first introduced. Pkt. 5c; ½ pint 10c; pint 15c; quart 30c; peck \$2.25.

**Burpee's Bush Lima.** A bush form of the large pole Lima, the Beans being large and flat, like those of that variety. It is very productive and its dwarf character is well established. Pkt. 5c; ½ pint 10c; pint 15c; quart 30c; peck \$2.25.

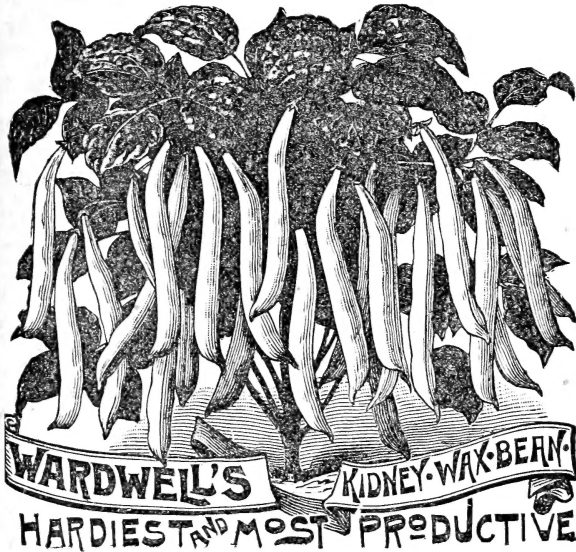


Burpee's Bush Lima Bean.



Currie's Rust-Proof Golden Wax.

## PHILIPPS' DWARF WAX PODDED VARIETIES.

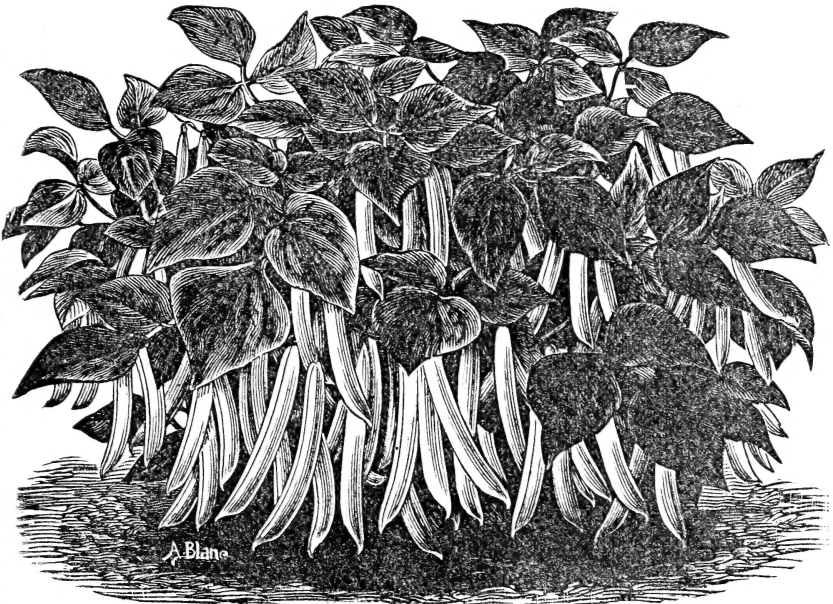


**Wardwell's Dwarf Kidney Wax.** Extra early, hardy and productive; pods long, broad, flat, and of a delicate waxy yellow; brittle and entirely stringless; decidedly the best Bean for market gardeners. Our price on this Bean lower than other seedsmen sell them should insure us your order. Beans white with two shades of reddish purple, and a distinct kidney shape; remarkably free from rust; excellent flavor. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75.

We are re-cleaners of all kinds of Field Seeds and do not mix Medium with Mammoth Red Clover. Read over carefully pages 63 to 73, Field Seed Department.

### The Davis Kidney Wax Bean.

This is a NEW and distinct KIDNEY WAX variety of late introduction, and proved without exception to be the best white seeded wax podded Bean known. The plant is vigorous and healthy, of compact, upright growth, carrying its pods on the center and well up from the ground. It is very productive, always giving a large yield of handsome pods, with a small proportion of imperfect and misshapen ones. The pods are very long, oval, clear waxy-white color, and when suitable size to use for snaps quite stringless, showing no tendency to string until they approach maturity. Practical market gardeners are delighted with it because of its earliness, hardness, productiveness, handsome appearance, its good shipping and selling qualities and small proportion of waste and second quality pods. Canners say it is just what we want: a long, straight, clear white pod which does not discolor in canning. The large handsome kidney-shaped dry beans are attractive, and this new Bean is sure to become a very popular and standard sort for family garden as well as market, and we highly recommend to our friends to give it a trial. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50.

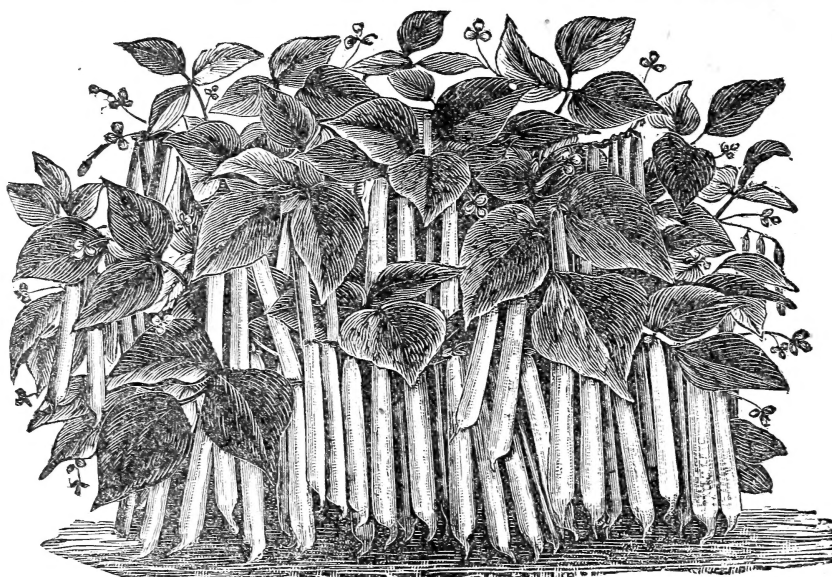


The Davis Kidney Wax.

**Currie's Rust-Proof Golden Wax.** It is positively rust-proof. While grown side by side for several years with other Wax Beans, all of them more or less affected by rust, many of them completely ruined by it, this Bean has remained entirely free from it. Exceedingly crisp and tender, and of a most delicious flavor. As early as the Golden Wax, and it is moreover amazingly productive. Habit upright and robust, holding the pods well from the ground, pods long, flat and straight, of a beautiful golden color; the best Black Wax Bean out. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75.

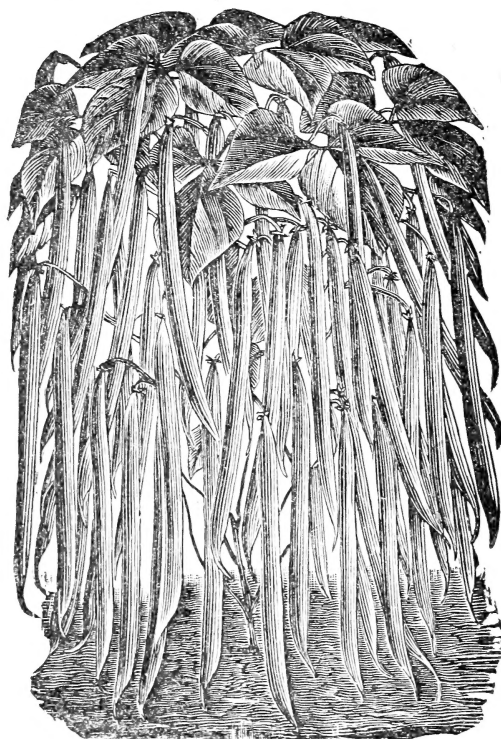


## PHILIPPS' DWARF WAX PODDED VARIETIES--Continued.



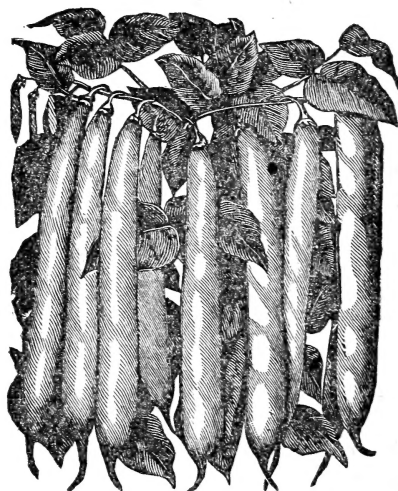
Improved Golden Wax.

**Improved Golden Wax.** (Rust-proof.) The handsomest and hardiest of all the Wax Beans. Very productive; pods straight, broad and a beautiful golden wax; quality very excellent. It is also one of the very best green shelled Beans and excellent dry. We recommend it to all. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50.



Dwarf Red Flageolet Wax.

**Dwarf Red Flageolet Wax.** Pods very large, sometimes 10 to 12 inches in length, entirely stringless, very fleshy, exceedingly tender and succulent; one of the heaviest yielders and nearly always exempt from rust. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50.

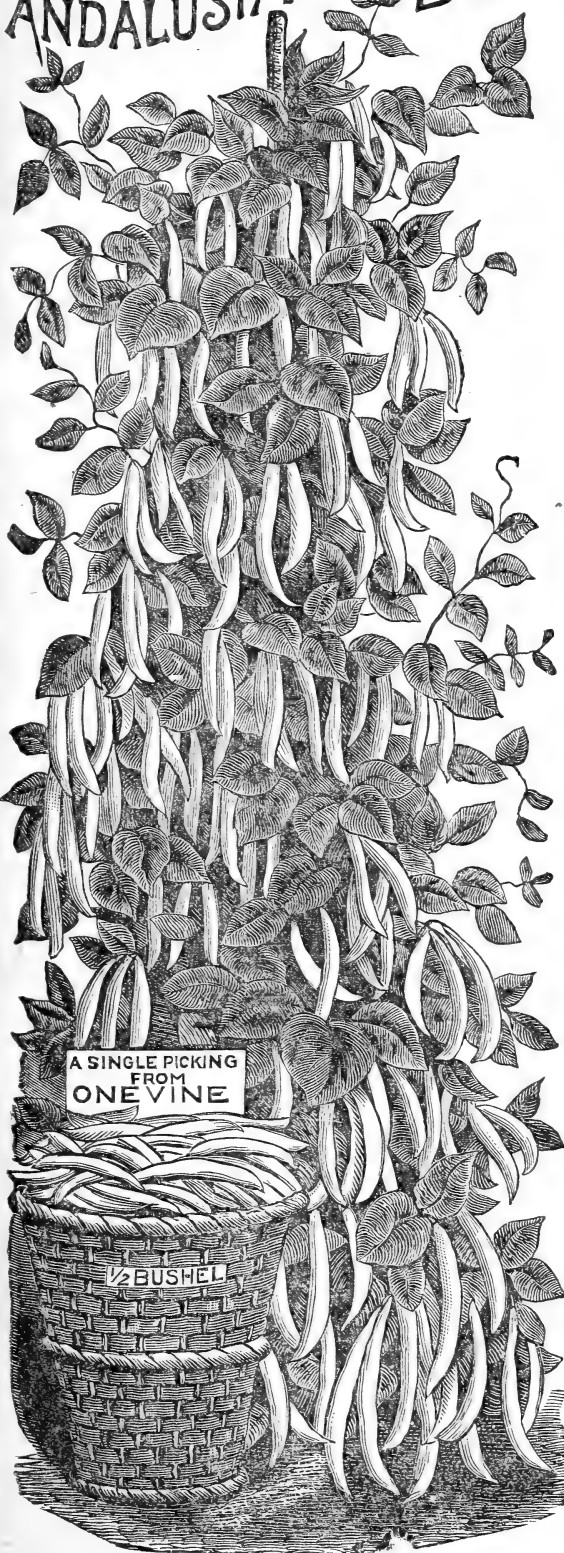


New Prolific German or Cylinder Black Wax Bush Bean.

**New Prolific German, or Cylinder Black Wax Bush Bean.** This is an entirely new and improved strain of the old favorite German or Black Wax Bean, earlier and very productive. Pods perfectly round, straight, long, and of an even rich golden color. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50.

Read second page carefully and you will be convinced that we sell good Seed cheaper than other Seedsmen. Also order Seed Collections offered on page twenty-four.

# NEW GOLDEN ANDALUSIA BEAN



## Philipps' Pole or Running Beans.

**CULTURE.**—Sow as soon as the soil becomes warm and dry, from the first of May (for all except Limas) to the latter part of May, in hills four feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five beans to a hill and of the smaller sorts about 200 hills. Poles eight to ten feet long should be set firmly in the center of the hills before putting in the seed.

**Horticultural or Speckled Cranberry.** Showy and excellent either snap or shell Beans. A popular variety. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50.

**Dutch Case Knife.** White seeded. Pods long, green and flat; can be either snapped or shelled when used; also for pickling. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 30c; peck \$2.00.

**Scarlet Runner.** A popular English pole Bean; very ornamental, producing scarlet flowers; good for snap or green shelled. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 20c; quart 30c; peck \$2.00.

**Seibert's Extra Early Lima.** }

**Extra Early Jersey Lima.** }

Mature ninety days from germination. Yield about eighty bushels green pods per acre. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 30c; peck \$2.00.

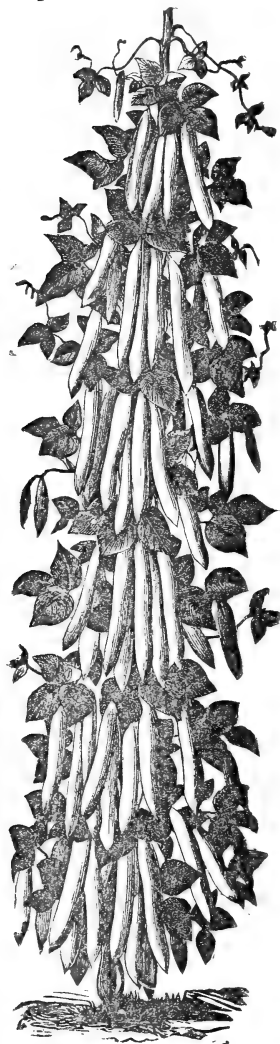
**Extra Large or Mammoth White Lima.** This is the largest of all the Limas. The pods are of enormous size and contain from five to eight beans. Largely grown and highly esteemed. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 30c; peck \$2.00.

**Tall German Wax (Indian Chief).** Black seed. A good snap sort, maturing in seventy-five days; also good for shell Beans. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 20c; quart 35c; peck \$2.00.

**Giant Red Wax.** Pods long, yellow and tender; very good. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 20c; quart 35c; peck \$2.00.

**New Golden Andalusia Wax Bean.** This new Bean has created a decided sensation. Hundreds pronounce it emphatically the most valuable pole variety ever offered. It originated in Andalusia, Bucks County, Pa., with a celebrated Bean grower. Our illustration gives some idea of its wonderful productiveness. It is nothing unusual to pick one-half bushel to three pecks from a single vine at one picking. The pods are five to six inches long, broad, thick, very fleshy and entirely stringless, far surpassing all other varieties in this respect and retaining these important qualities until almost ripe. Exceedingly rich, buttery and fine flavored. The vines cling well to the poles, a very important feature, as the weight of a vine filled with such a mass of large pods is very great. They commence bearing in great abundance when the vines are quite young, and continue to bear profusely the entire season. The Beans when dry are as round as a bullet, pure white in color, and also make a fine shell or winter Bean. Large pkt. 10c; pint 25c; quart 40c; peck \$2.50.

**White Creaseback Pole.** Exceedingly productive; in clusters of from four to twelve handsome green pods, six inches long, perfectly round, entirely stringless; very fleshy. Pkt. 5c; ½ pint 10c; pint 15c; quart 30c; peck \$2.00.



New Early Golden  
Cluster Wax.

**Red Speckled Cut-Short, or Cornhill.** An old variety, very popular for planting among corn, and will give a good crop without the use of poles; vines medium, with dark colored, smooth leaves; pod short, cylindrical and tender. Pkt. 5c; ½ pint 10c; pint 15c; quart 25c; peck \$1.50.

**New Early Golden Cluster Wax.** Undoubtedly the earliest pole variety. Only about ten days behind the Dwarf Golden Wax. Although it begins to bear early, it continues until frost. Everyone is surprised at its beautiful appearance and productiveness. The pods are from six to eight inches long, borne in clusters of from three to six, and most freely produced; stringless, very tender, and of delicious flavor. Pkt. 10c; ½ pint 15c; pint 25c; quart 40c; peck \$2.50.

**Lazy Wives Pole Bean.** This variety originated in Bucks County, Pa., where for a number of years it has been the most popular Pole Bean grown. Pods are wonderfully broad, thick, fleshy, and above all, *entirely* stringless. In these respects they surpass any other known. Then, again, the pods retain their rich, stringless and tender qualities until they are almost ripe, so much so, in fact, that we are perfectly safe in saying they are the best of all Snap sorts. They also surpass every variety in the way vines cling to the pole, and every bean grower will at once acknowledge this is a most important qualification. The name, we think, implies productiveness, for the vines being covered all summer with masses of beautiful pods, it is just the sort to suit wives, as a mess can soon be picked for dinner. Pods are rather flattish, oval shape, and when fully grown are from four to six inches long, exceedingly rich, buttery, and fine flavored when cooked. They are hardy, easily grown, and enormously productive. We could furnish hundreds of testimonials from persons who have used the Lazy Wives Bean, all claiming it to be the best bean they have ever tried, and many have discarded all other kinds, using this for an early and late snap sort, and also as dry shell or Winter bean; and such is the peculiar taste and flavor of this bean that we have known many persons who could not be induced to eat other varieties of string beans after tasting Lazy Wives, if they could obtain the latter. Pkt. 10c; pint 20c; quart 40c; peck \$2.50.

## All our Beans are Northern Grown,

and are free of the Bean Weevil. This is a great point in our favor, as of late years this insect has been a great disturber and ruination of many Bean crops.

All Prices quoted postage paid on Peas, Beans and Corn  
in packets only. (Half pints, pints and  
quarts, Postage extra.)

Read Pages 55 to 62, describing different ROSES, CLEMATIS and Plants  
we have for sale. Send in your Orders—they will please you.

## BEETS.

### FOR THE TABLE.

(One ounce sows 60 feet of drill; 4 to 6 lbs. for one acre.)

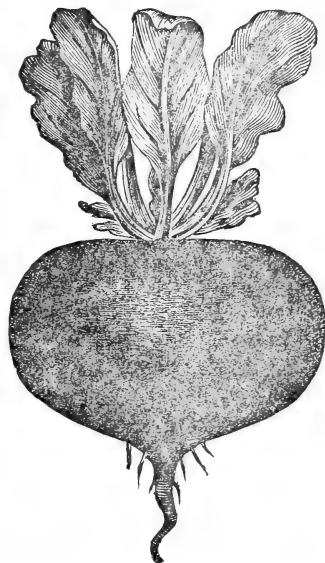
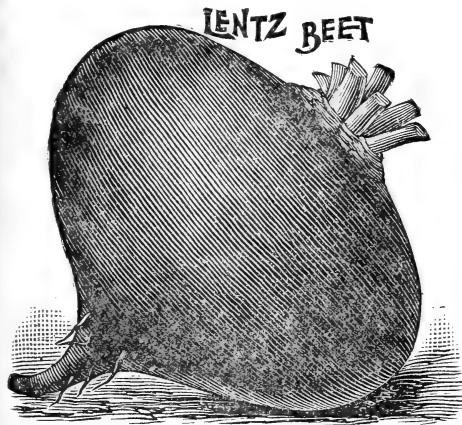
**CULTURE.**—Sow as early in the Spring as the ground can be worked, and every two weeks after for a succession up to the first week in July. For general crop sow about the middle of May. The soil should be light, well enriched with manure, plowed and harrowed until very fine. Sow in drills one foot to fifteen inches apart, and when well up, thin from four to six inches. The young Beets pulled out of the rows are excellent used as Spinach.

**Long Smooth Dark Blood.** A good variety of late Beet, sweet and tender; will keep solid and fresh all Winter. Pkt. 5c; oz. 10c; 4 oz. 15c; 1 lb. 40c.



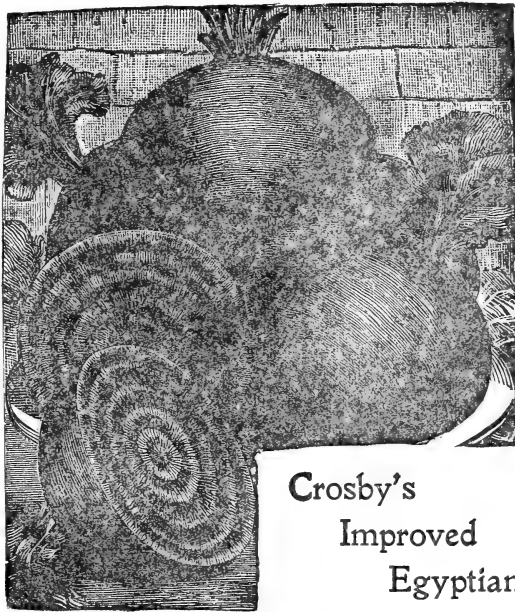
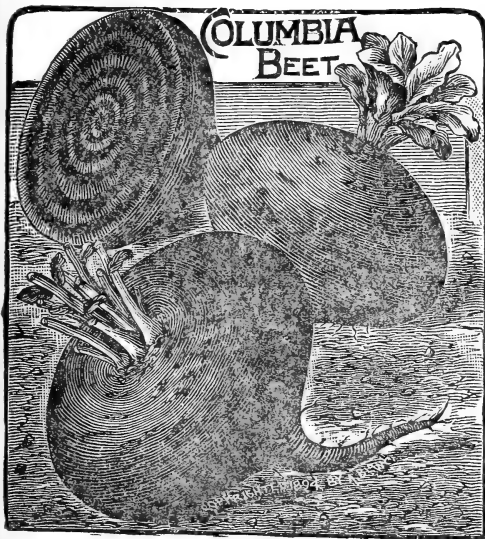
**Lentz Blood Turnip.** This variety originated with one of the largest market gardeners in Philadelphia. It is as early as the Egyptian, but larger, of fine dark red color, a very small top, tender and sweet. It is very productive and a good keeper. Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 50c.

**Edmand's Early Blood Turnip.** One of the best Beets grown, being a very careful selection. The roots are of good form, round, with only one single small tap root; the flesh is of a deep blood red color, and very sweet and tender; they can be planted very closely, as they do not grow large and coarse and have a very small top. It is one of the best for the market gardener and for table use. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.



We stand back of every claim made in our catalogue and we want your trade. Our policy is good Seeds, full measure, a living for you and one for ourselves.

Edmand's New Blood Beet.



Crosby's Improved Egyptian.

**New Columbia Blood Beet.** This is a distinct new Beet of a handsome turnip shape, with smooth skin and deep blood red flesh of finest quality. Ready to use very early, as soon as the well-known Egyptian, but of better quality. It is remarkably thoroughbred. The tops uniformly small, and of a rich, bronzy color. Is not only of unusual value to the market gardener, but its fine quality will delight the private planter. (Is a money maker.) Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 60c.

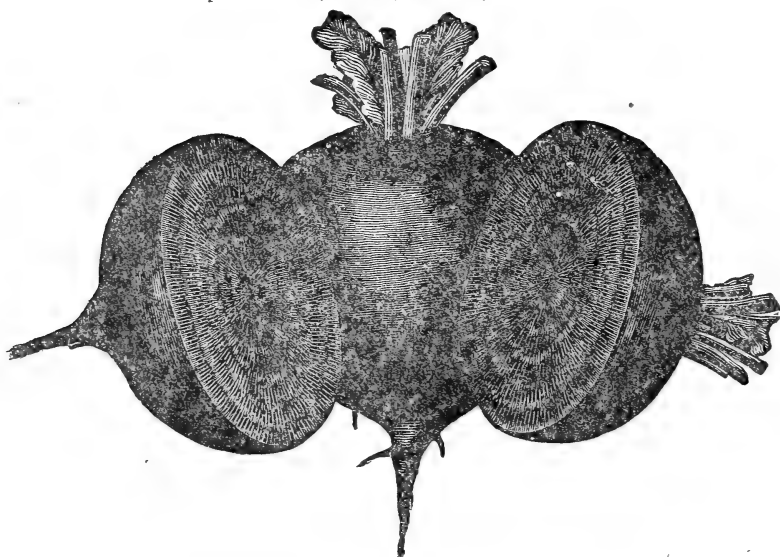
**Crosby's Improved Egyptian.** We believe this to be the earliest variety of Beet in existence. It was originated by a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good Beet for bunching, and is very popular with the Toledo market gardeners for this purpose. Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 50c.

**Eclipse.** A very early, smooth, dark, globe-shaped Beet, with small top; in earliness and quality it is excelled by none. A good cropper. We can recommend it highly for market and garden use. Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 50c.

**Early Blood Red Turnip.** The old stand-by and a universal favorite. Deep blood color. Good early and late. Pkt. 5c; oz. 10c; 4 oz. 15c; lb. 50c.

**New Half Long Blood.** This is an entirely new and distinct variety, by far the best for Summer and Winter use. The roots are only half as long as the Long Blood, but weigh as much on account of their thickness. They are always smooth and handsome, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody even in the exposed portions. Pkt. 5c; oz. 10c; 4 oz. 15c; lb. 50c.

**Improved Early Egyptian.** The standard early market sort; color very deep red; tender and sweet; in form like the Flat Dutch Turnip. Our seed is a special selection of the darkest, earliest and most perfect roots with small tops. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.



Improved Arlington, or Rawson's Boston Market Beet.

**Improved Arlington, or Rawson's Boston Market Beet.** A great favorite, of medium size and a dark, rich, blood-red color. One of the strongest points in favor of this variety is the fact that it does not get bitter and stringy when it is a little old, as is the case with many other varieties, but is sweet and tender at all times. Its grand quality, uniform shape and beautiful color leave nothing to be desired in this grand Beet. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1b. 60c.

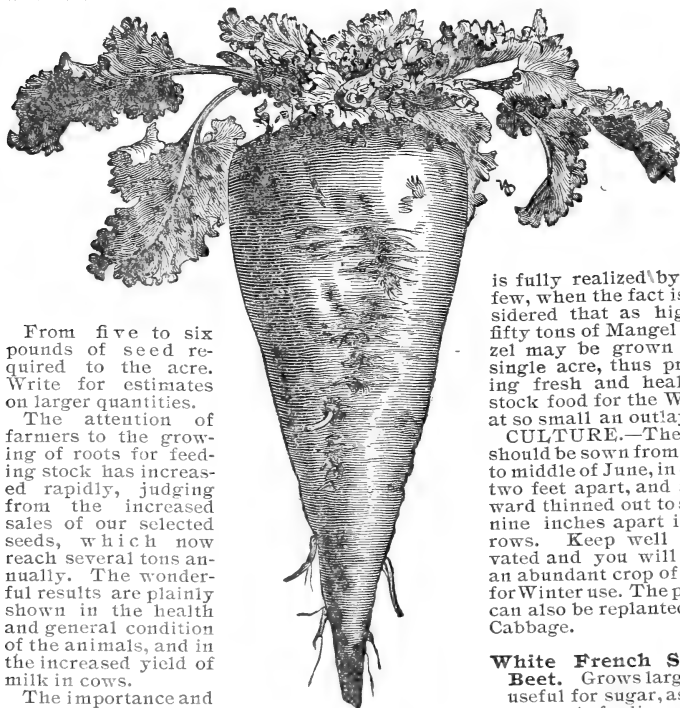
**Swiss Chard, Silver or Sea-Kale Beet.**

Cultivated for its leaves, which are used similar to Spinach. The mid-ribs are stewed like Asparagus. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

## SUGAR BEETS and MANGEL WURZEL. SUGAR VARIETIES.

The Sugar Beet industry in this country is growing each year, and first quality seed will be in demand. We import our Sugar Beet Seed direct from Germany and France, so that our customers can depend upon getting first-class seed at rock-bottom prices. Sugar Beets are not so heavy croppers as Mangels, but are of superior quality, containing a large amount of saccharine matter.

No crop will pay the farmer better than Mangel Wurzel and Sugar Beet. Special price given on application for larger quantities of any kind Mangels and Beets.



Sugar Beet.  
Klein-Wanzleben.

From five to six pounds of seed required to the acre. Write for estimates on larger quantities.

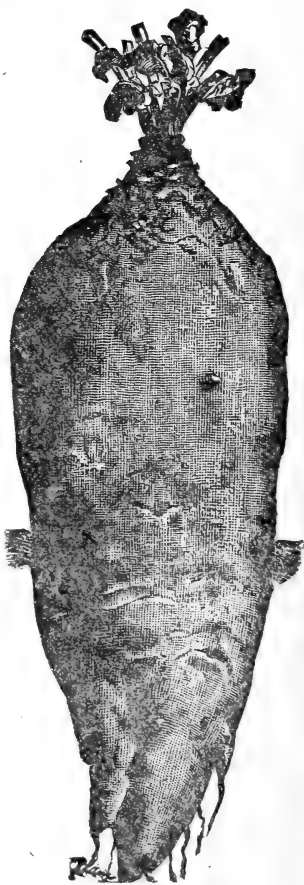
The attention of farmers to the growing of roots for feeding stock has increased rapidly, judging from the increased sales of our selected seeds, which now reach several tons annually. The wonderful results are plainly shown in the health and general condition of the animals, and in the increased yield of milk in cows.

The importance and value of this crop to farmers cannot be over estimated, and

is fully realized by very few, when the fact is considered that as high as fifty tons of Mangel Wurzel may be grown on a single acre, thus providing fresh and healthful stock food for the Winter at so small an outlay.

**CULTURE.**—The seed should be sown from April to middle of June, in drills two feet apart, and afterward thinned out to stand nine inches apart in the rows. Keep well cultivated and you will have an abundant crop of roots for Winter use. The plants can also be replanted like Cabbage.

**White French Sugar Beet.** Grows large and useful for sugar, as well as stock feeding. Pkt. 5c; 2 oz. 10c; ½ lb. 15c; 1b. 30c.



Mammoth Long Red  
Mangel Wurzel.

**Red Rosy Sugar Mangel.** This is a new variety that will pay all Farmers and Dairymen to try. Flesh white, firm, and very sweet, and greatly relished by cattle. Roots grow well above the ground and easily harvested. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

**Klein-Wanzleben.** This kind is cultivated on a larger scale than any other Sugar Beet. The root is conical, straight and even, quite large at the head and rapidly tapering. It is a heavy yielder, and contains 13 to 15 per cent. of sugar. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

**Lane's Improved Imperial Sugar Beet.** An improvement on the French Sugar Beet. The most popular, profitable and productive variety of Sugar Beets in cultivation. For feeding cattle, sheep and swine it has no equal. This Beet will yield from 30 to 40 tons per acre, at a cost of 5c per bushel. It is one of the best adapted to the soil and climate of the United States, and most valuable of any for stock feeding purposes. The Beets grow to a large size, and perfect in shape. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

## STOCK FEEDING VARIETIES.

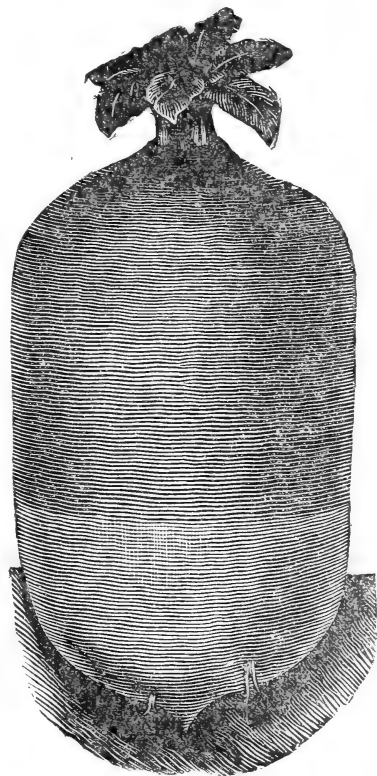
Growing Mangel Wurzel and Sugar Beet for stock is the grower's best investment. These make the cheapest of food for all kinds of live stock, Cattle, Horses, Sheep, Pigs, Chickens. Two bushels of Mangels are worth as much as one bushel of Corn. Four bushels of Mangels are equal to 100 lbs. of good hay. It is pleasing to receive scores of the most flattering reports from our friends of their great crops of Mangels grown from the seed they bought of us. Our friends may rely upon getting the best seed, grown from the choicest strain and stock in the world. **Send us your Order.**

**Mammoth Long Red Mangel Wurzel.** Very large and productive. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

**Norbiton Giant, or Jumbo Red Mangel.** Stands head above all other varieties of Mangels; unequaled for yielding and feeding qualities. Thousands of farmers have grown this Mangel and call it the most profitable farm crop they ever tried. If you want a large crop of large Mangels of good quality don't fail to try the Norbiton Giant or Jumbo Red Mangel; enormous cropper. Preferred by many to common Long Red, as its keeping quality is considered better and it is much larger. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

**Golden Tankard Yellow-fleshed Mangel.** This distinct variety is a most important addition to our list of roots for stock feeding, as it contains less water and more sugar than any other Mangel. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. In England, where it is considered indispensable for dairy farming, large dairy farmers state that they are not only able to obtain a higher price per gallon for milk from cows fed on this Mangel, but also that the cows are in much better condition. Is exceedingly hardy, and matures earlier than other large sorts. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.

**Champion Yellow Globe Mangel Wurzel.** For cattle; large and productive; keeps well; is of orange yellow color; very sugary; easily pulled. Pkt. 5c; 2 oz. 10c;  $\frac{1}{2}$  lb. 15c; 1b. 30c.



Golden Tankard Mangel.



Norbiton Giant, or Jumbo Red Mangel.

## BROCCOLI.

**CULTURE.**—Same as Cauliflower. This very much resembles Cauliflower in appearance and uses, but is by many considered more delicate.

**Broccoli.** Large White Mammoth Cape, produces fine large heads, equal in size and quality to the best and largest varieties of Cauliflower. Pkt. 5c; oz. 25c.

## BRUSSELS SPROUTS.

**CULTURE.**—Same as Winter Cabbage. This is a delicious vegetable of fine flavor, allied to the Cabbage family, producing great numbers of small heads or sprouts on the main stem of the plant, which are used in the manner of Cabbage. Used and prepared as greens, they are the best in the Autumn, especially after frost. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c.

## Reliable Cabbage Seeds.

## SELECTED AMERICAN GROWN STOCKS THAT MARKET GARDENERS CAN DEPEND UPON.

We are Headquarters for Select and Double Tested Seed.

To Market Gardeners generally no vegetable is of greater importance than the Cabbage, and to many growers the success or failure of this crop means gain or loss for the year. It does not pay, therefore, to take any risk in buying seed. Much of the seed commonly sold has not had the great care necessary in growing to make it reliable.

Our Cabbage Seed is high grade and reliable, because it is sure to head under any circumstances where Cabbage will head. Sure to head because the seed is all carefully grown from selected heads of the very best strains. Our trade increases largely every year among Market Gardeners and large growers, who are very cautious of whom they procure their Cabbage Seed, and well they may be, for it is their most important crop. We especially recommend our Select Very Early Jersey Wakefield, a variety of celebrity for the first early; Henderson's Early Summer, Philipps' Improved Succession, Fottler's Improved Brunswick, Early Winingstadt, our Market Gardener's Large Late Flat Dutch, Philipps' Premium Flat Dutch. All Seasons, Sure Head, Flat Dutch. Philipps' All Head and Autumn King, for general crop.

Our Cabbage Seed is the best that is grown in the United States. We do not touch any cheap seed. Imported Cabbage Seed, of the late sorts especially, will not head in this country.

One ounce of seed produces 1,500 to 2,000 plants and sows an area of about 40 square feet.

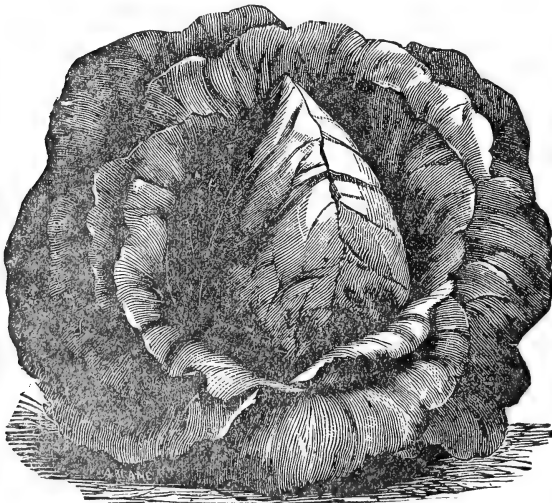
**CULTURE.**—Soil for Cabbage should be rich and heavy loam, with good drainage.

Of the early varieties of Cabbage, in latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October, and transplanted on the first opening of Spring, but in our Northern States they must either be sown in hotbeds in February or wintered over in cold frames; for this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants may run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold frames. In planting it is very important with Cabbage or Cauliflower that the plant is set down to the first leaf, so that the stem is all under ground, for, if exposed, it will be split by the action of the frost and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April in rows about two feet apart, and eighteen inches between the plants in rows. This earliest crop matures in June. For second early the early kinds should be sown first week in April and planted out in May. This crop should mature in July and August. The late varieties are usually sown in the early part of May and the plants are set in July at a distance of three feet between the rows, and two feet between the plants. This crop matures September, October and November.

For Cabbage Worm Try Slug Shot. Read page 79 for description of Slug Shot.

## FIRST EARLY.

**Select Early Jersey Wakefield.** Certainly deserving of its great popularity, and is grown for market more extensively than any other early Cabbage. It heads up remarkably hard and solid; the heads are pyramidal in shape, generally pointed at the end, and having few outside leaves. The plants can be close together. The heads are of excellent quality and good size. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.



Select Extra Early Jersey Wakefield.

**The Charleston or Large Wakefield Cabbage.** It is five to six days later than early Jersey Wakefield. The heads are fully one-half larger and quite solid. It is very compact in growth and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury until a favorable opportunity for cutting. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

**Early Winingstadt or Cone.** An old standard variety; heads of a fair size, conical in shape, very solid; good for early and late. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Early Summer.** The standard for second early. We have an excellent strain of this well-known sort. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Fottler's Early Drumhead or Short Stem Brunswick.** A rapid grower, has large solid head and few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.



## SECOND EARLY.

**Genuine Sure Head.** This popular Cabbage is rightly named Sure Head. It never fails to make a remarkably fine, solid, large head, with few outer leaves. It originated some years since with a practical market gardener, by crossing the Flat Dutch and Drumhead varieties, and has always brought the highest price in markets. It is a strong, vigorous grower, ripening late for a main crop, and very uniform in size and color. Our supply is grown from the original seed, and none better is to be had at any price. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**All Seasons.** This strain of Early Drumhead Cabbage we offered to the public some years since, under the broad claim of being about as early as the Early Summer, and growing much larger. Gardeners everywhere say they find our claims are fully substantiated in every particular. As its name indicates it can be planted at all seasons. It forms a fine large head of superior quality, not bursting after heading; the heads are of great thickness, which makes a capital market sort and good keeper. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**You cannot miss** buying any variety of our CABBAGE SEED. It is all of the highest grade, fresh and pure. Order just what you want, even if only a single packet. We believe, however, that if you look carefully through our list, you will find many that you want. You can select 32 five-cent packets for \$1.00, postpaid.

Read discounts on page 2.

We sell Good Seeds.

All New Stock.

## THE LUPTON.

THE GREATEST CABBAGE EVER OFFERED.



A THOROUGHbred LATE CABBAGE THAT WILL IN MANY WAYS SURPASS EVERY SORT HERETOFORE GROWN.

THE HARDEST HEADING CABBAGE EVER GROWN. THIS IS THE UNANIMOUS ENDORSEMENT OF THE BEST GARDENERS IN AMERICA

This famous Cabbage was bred and introduced by Mr. Lupton, who is probably the largest individual producer of Cabbage Seed in the world. It was bred from a single early plant of a late variety; is earlier than any of the late sorts, much more uniform in growth, heads more evenly, is of better quality, is not quite so large; can be planted closer, and will give a crop in weight larger than any of them. The heads are unusually deep, similar to the Hollander or Danish. It is a strong, but not a coarse grower; dark green in color, and fine grained; a good keeper. Intended for a market gardener's main crop Cabbage. Price, pkt. 5c; oz. 15c; 4 oz. 50c; 1 lb. \$1.75.

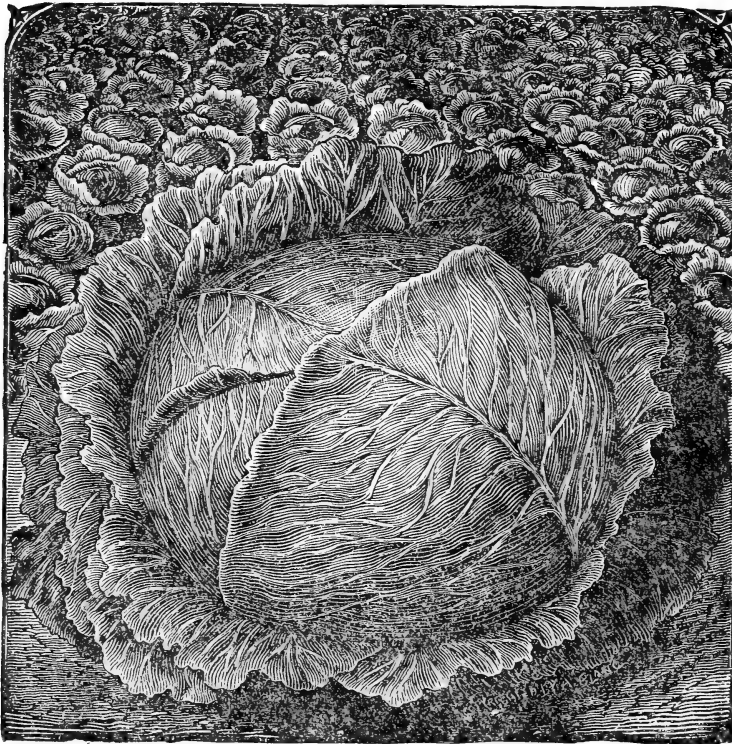
## Hollander or Danish Ball Head Cabbage.

For several years past all the large cities in the United States have been furnished with Cabbage shipped in from Holland. This Cabbage, although of medium size, weighs about twice what our native grown Cabbage does, and is therefore easier to handle when selling by the ton. In order to stop this importation and keep our money at home, we imported the finest strain of this Cabbage grown, and now offer this seed to our gardener friends and patrons. The heads are of medium size, heavy and solid as a cannon-ball, and will keep over winter much better than our old standard varieties of Cabbage. Give it a trial. Pkt. 5c; oz. 25c; 4 oz. 75c; 1b. \$2.50.



Danish Ball Head Cabbage.

**Philipps' Improved Succession Cabbage.** This new Cabbage we offer is the best Long Island Seed grown from the center shoots of carefully selected solid heads of the very best strain. The Succession is about one week later than the Early Summer, but is double the size and is so finely bred that in a field of ten acres every head was a magnificent, perfect specimen, fit for exhibition purposes. The Succession brings paying prices wherever grown, and may be regarded a boon to the gardening community. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.



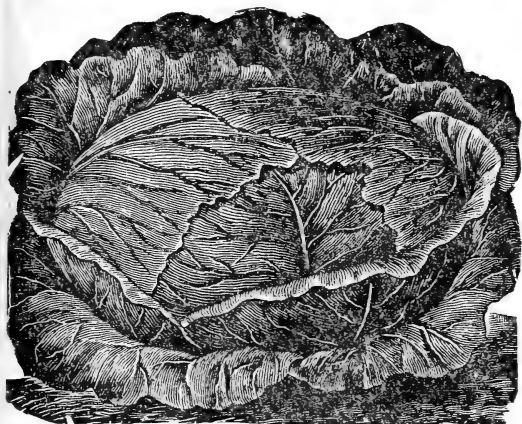
Philipps' Improved Succession Cabbage.

deep or thick through—a prominent feature of this variety. Seed of the "All Head," sown in July, and plants set out about the middle of August, will bring heads large and solid, which are sure to winter well. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Early Dwarf Flat Dutch.** An excellent second early old standard variety, producing fine large heads after the first early varieties have disappeared. Highly valuable both for its fine quality and ability to resist heat. Heads are very solid, broad and round, flattened on top, tender and fine grained. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Improved Stone Mason, or The Warren.** We think this is one of the very best for Fall and Winter use. Our stock is of the best. Plant medium sized, with only a moderate number of leaves; stem medium length; head medium sized to large, round or slightly flattened, very solid, crisp, tender, without being coarse or strong flavored. It will certainly give the greatest satisfaction. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Philipps' All Head Medium Early Cabbage.** It is the earliest of all large Cabbages. Is fully one-third larger than Early Summer. The deep, flat heads are remarkably solid and uniform in color as well as in shape and size. Is of fine quality. By reason of the compact habit of growth of the Philipps' All Head Medium Early and the absence of loose leaves, fully one thousand more heads can be obtained to the acre than of most other varieties of good size. Set the plants eighteen inches apart in the rows with three feet between the rows for cultivation, and Nine Thousand Six Hundred and Eighty (9,680) plants can be set on one acre, ninety-five per cent. of which, in an ordinary season and with good cultivation, will make good merchantable heads. "All Head" is all that can be desired for earliness; it is also valuable for a late or Winter Cabbage. To winter well the heads must be



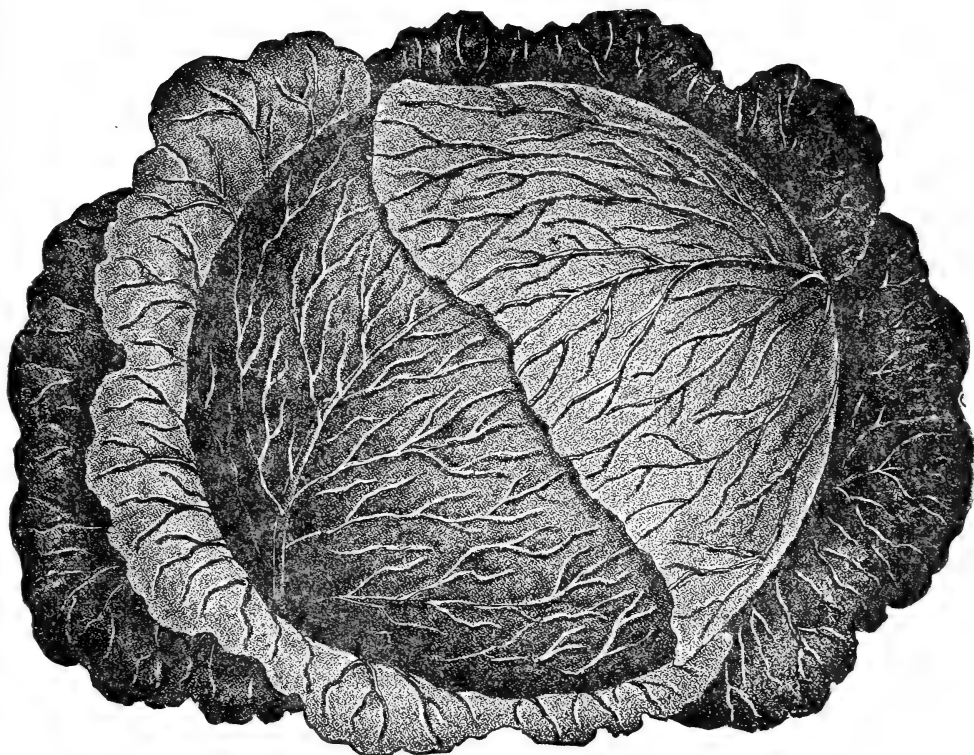
**Philipps' Premium Large Late Flat Dutch.**

testimonials about it. All give it the highest praise, and we recommend it to our friends as one of the best and most productive Winter Cabbages in the country. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Philipps' Premium Large Late Flat Dutch.** As a variety for the main crop and the Winter market this has no superior. Heads large, round, solid; broad and flat on the top; they open white and crisp, are tender and well flavored. It is also one of the very best varieties to keep. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Toledo Market Gardeners' Large Late Flat Dutch.** This strain of Cabbage has worked itself to the front and enormous crops are grown every season around Toledo, and we honestly recommend this strain of Cabbage to all who wish to grow a large, heavy, hard, smooth-leaved, late ripening Cabbage; no strain is superior, and few equal to this. The leaves are feathered to the stalk, slightly fluted or twisted on the outer edges. Color, a clear green with a gray or ashy shade under certain lights. The head is thick, broad, solid and slightly rounded on the top, though the variety is what is termed the flat head. The natural habit of the seeding plants is to develop thick, short, stocky stems. The seed is worth twice the money asked for it, the strain carefully selected to meet the most critical demand. To those who have never grown this splendid type of Cabbage, will say that we have received hundreds of the most flattering

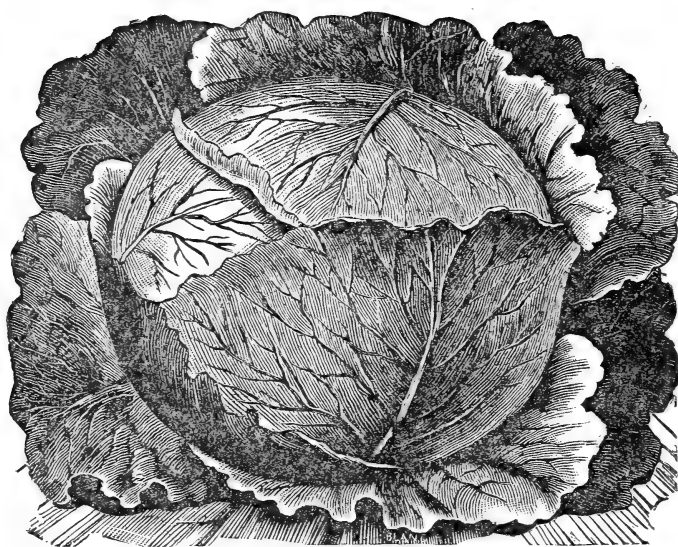
Do not fail to send us your order for one or more of our **Lightning Sprayers**, made in two different styles, in Tin or Brass, at 50 cents and \$1.00 each. These are the best liquid sprayers made for House, Garden, Orchard or Potato field use. (See page 76.)



**Our Toledo Market Gardeners' Large Late Flat Dutch.**

(Specially grown for us on Long Island.)

**Market Gardeners!** In fact, all who grow Cabbage for market or private use, do not fail to try our Cabbage Seed; it will highly please you, and prove a great money-maker for Market Gardeners. We have our Cabbage Seed grown by the most reputable, honorable and experienced Cabbage Seed Grower on Long Island. We get our seed direct from the grower, and not second-handed. We pay a good price for it, as good seed costs money, and then it is cheap. We make special prices to Market Gardeners and large growers. Do not fail to give us your order, as it is to your own benefit to do so.



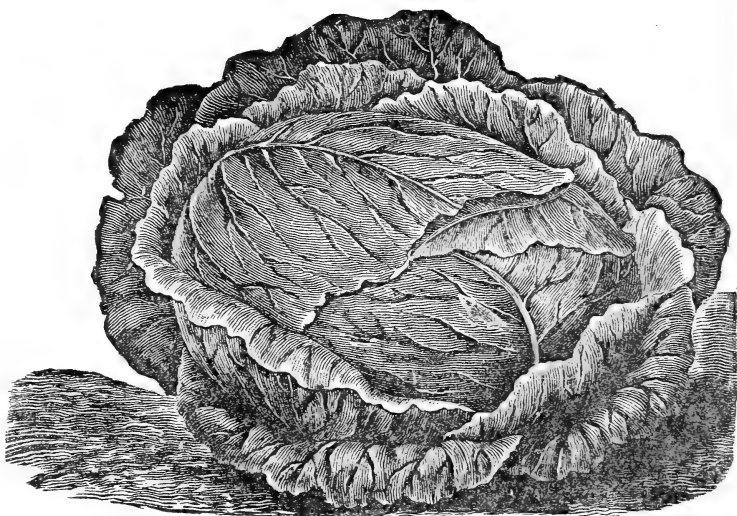
Improved Autumn King Cabbage.

**Philipps' Toledo Large Late Drumhead.** This is one of our standard late maturing varieties. Large, solid head, with very short stem; grows very compactly. Heads frequently attain 20 to 30 pounds. We highly recommend this great Cabbage to all; always reliable as a header and noted for its excellent quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Philipps' Reliable Savoy or Curled Cabbage.**

We desire to call special attention to this class, all of the varieties enumerated below being of much finer flavor and quality than the best of other Cabbages. They are particularly adapted for

private use, where quality rather than quantity is desired. Grown in the Fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.



Philipps' Toledo Large Late Drumhead.



American Drumhead Savoy.

**Netted Savoy.** This is the finest of the Savoy class, and a general favorite. Heads large, very solid and compact, a yellowish-green color, and like all other of the Savoy varieties, is of excellent flavor, far surpassing that of any other late Cabbage. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

**American Drumhead Savoy.** The largest heading Savoy; of excellent flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

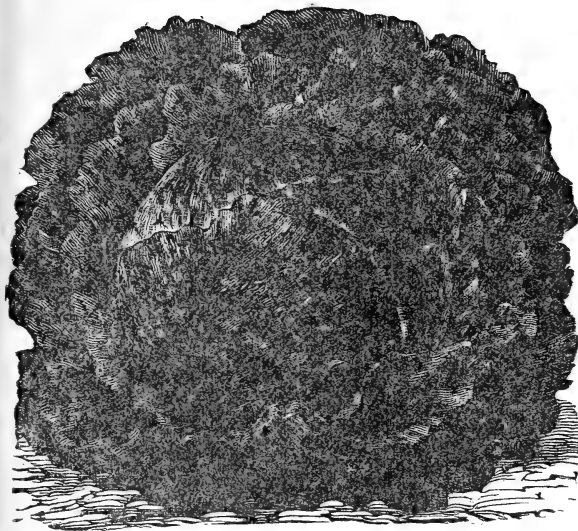
We sell all kinds of BIRD SEED for Canaries and Parrots, so let us know your wants in that line.

See our Big \$1.00 Collection  
on page 2.

**Improved Autumn King Cabbage.** Has proved itself a peerless variety and is coming into general use. We have no hesitation in recommending it as one of the finest late Cabbages in this country. The Autumn King is an entirely distinct variety and the best keeper ever seen; it produces enormous solid heads of that dark shade of green that is most desirable in a Cabbage, and has such small outer leaves that it can be planted much closer than the ordinary late sorts, and can be relied upon to produce a greater weight of crop per acre from the fact of its producing so few outer leaves and going all to head. We understand that some other seedsmen are offering this same stock of Cabbage under the name of "World Beater," which variety was introduced a few years later as one of the grandest of all Winter Cabbages, which is the case with the Autumn King. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.



## RED CABBAGE.



**Mammoth Rock Red Cabbage.**

**Cabbage Plants.** Any of our early varieties ready April 10th. By mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

**Cabbage Plants.** Any of our late varieties ready June 1st. By mail, 100, 75c; by express, 100, 40c; 1,000, \$2.00.

**Extra Early Dark Red Erfurt.** The earliest and finest red. A useful sort for pickling. Pkt. 5c; oz. 15c; 4 oz. 50c. 1b. \$1.75.

**Mammoth Rock Red.** The Mammoth Rock is by far the best, largest and surest heading Red Cabbage ever introduced. The plant is large, the head is large, round, very solid and of deep red color; will average 12 lbs. each. Pkt. 5c; oz. 20c; 4 oz. 60c; 1b. \$2.00.

It was the **RED CABBAGE** exhibited at the Fairs in our section, from SEED WE SOLD, which drew the highest premium. Do not fail to try some.

Much IMPORTED Cabbage seed is offered as American at low prices. Our experience is that imported seed of the late varieties is worthless.

Plants quoted "by mail," are sent at our expense; "by express," at the purchaser's.

We can sell our Farmer and Gardener friends just as good Seed as any Seedsman has to offer. Please remember we are Growers and Importers. Send us your order and get Seeds true to name. Market Gardeners, read page 2.

## CARROTS.

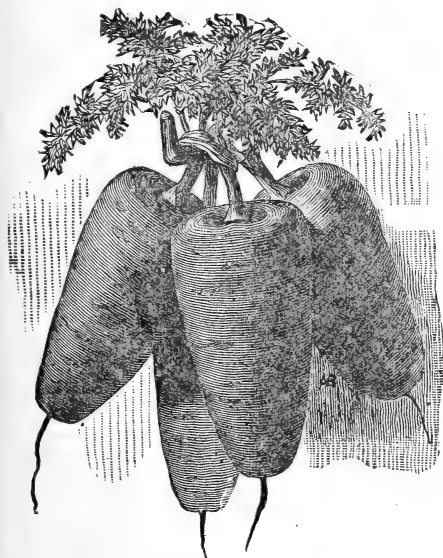
Sow 1 ounce to 150 feet of drill; 4 lbs. to the acre.

**CULTURE.**—The Carrot, like all other root crops, delights in a sandy loam, richly tilled. For early crops sow in Spring, as soon as ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked by the horse cultivator. As carrot seed is slow to germinate, all precautions must be taken.

**Chantenay Half Long Scarlet.** A stump-rooted variety, somewhat resembling the well-known Nantes Carrot, but having a larger shoulder and being much more productive; sweet, fine flavored, almost without a core; very fine grained; excellent for home garden and market. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Early Scarlet Horn.** Blunt, deep red flesh, tender and delicate; a good early summer sort. Also good for forcing. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 60c.

**French Forcing.** The earliest forcing variety, globe-shaped, reddish-orange color. Good for bunching. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

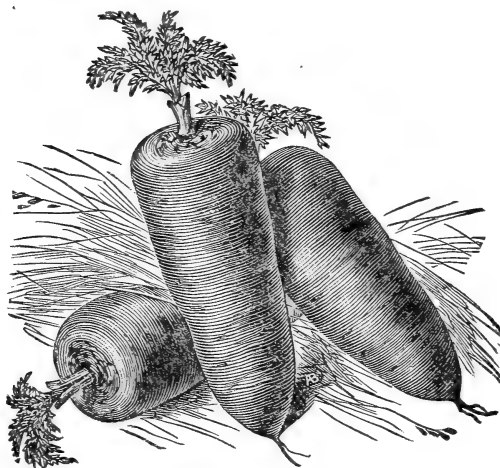


**Chantenay Half Long Scarlet.**

**Read Field Seed Department.**

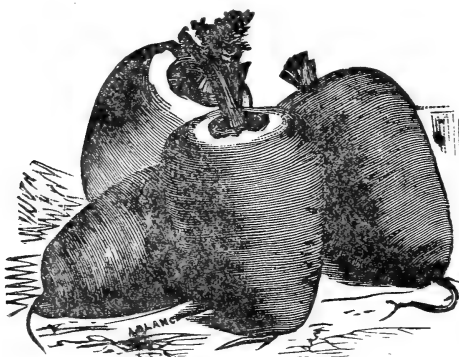
**Altringham.** This Carrot is an immense and sure yielder. Roots are long and large, of a fine scarlet color, good flavor and superior feeding qualities. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 45c; 5 lbs. \$2.00.

**Large White Belgian.** Very productive kind, grown almost exclusively for stock; grows one-third out of the ground; lower part of root white; that above ground green. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 45c; 5 lbs. \$2.00.



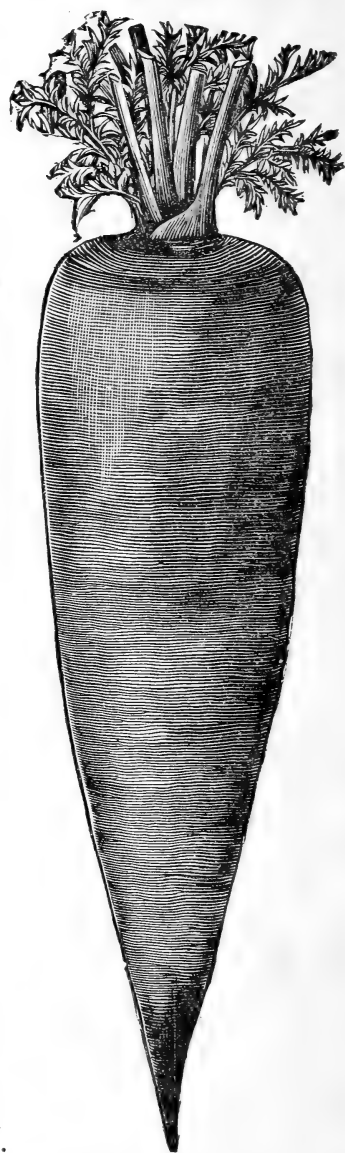
**Half Long Danvers.**

**Danvers Half Long Orange.** This variety originated where the raising of Carrots is made a special business, twenty to thirty tons per acre being no unusual crop. In form it is midway between the Long Orange and Short Horn. The root is of a rich, dark orange color, and grows very smooth. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.



**Guerande, or Ox Heart Carrot.**

**Guerande, or Ox Heart Carrot.** A very desirable Carrot. In length intermediate between Short Horn and Chantenay; much thicker than either, and carries its thickness well down towards the bottom. In color as dark as Chantenay; is an immense cropper, early harvested, requiring no digging, while its handsome appearance and excellent table qualities make it valuable for either the market or home garden. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60.



**Improved Long Orange.**

**Improved Long Orange.** Our Improved Long Orange Carrots, as will be seen by the illustration annexed, are far superior to the ordinary varieties of Long Orange Carrots, and will yield fully twice as much to the acre as the common varieties. In no other vegetable has there been such improvements recently made as in the Carrot, and we claim to have best strain of Long Orange Carrots there is to be found in this country. We ask our friends to give it a trial, and be convinced of its great superiority. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c; 5 lbs. \$2.25.

**Try Our Seeds. Order Early and Often.**

## CAULIFLOWER.

Imported Direct from our grower in Denmark. Choice Selected Varieties.

**CULTURE.**—The most delicate and delicious of all the Cabbage family, and requiring the same culture and treatment, but being more delicate, the good culture and richness of the soil recommended for Cabbage are absolutely necessary for Cauliflower. By sowing the early varieties in the Spring in a hotbed or cold frame, or even in an open border, they can be obtained in pretty good season. One ounce of seed will produce about 2,000 plants.

**Extra Selected Extra Early Dwarf Erfurt.** One of the earliest varieties; small-leaved dwarf, for forcing; producing very solid, pure white heads of the finest quality; about fifteen inches high. Don't confound this variety with the cheaper Early Dwarf Erfurt. Pkt. 20c;  $\frac{1}{4}$  oz. 75c;  $\frac{1}{2}$  oz. \$1.25; oz. \$2.25;  $\frac{1}{4}$  lb. \$7.50.

**Large Late Algiers.** A splendid late variety; very popular with canners and market gardeners. Seldom fails to produce large white heads. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$2.00.

**Extra Early Paris.** One of the earliest varieties in cultivation. Very dwarf, large white compact heads of finest quality. Highly recommended; sure heading variety. Pkt. 5c;  $\frac{1}{4}$  oz. 20c;  $\frac{1}{2}$  oz. 35c; oz. 65c.



**Gilt Edge Snowball.** The strain we have of this variety is without doubt the very best to be had. Our stock was grown from the very finest specimens, noted for their earliness, dwarf habit, large size, uniform shape and compact growth. For forcing under glass during Winter and early Spring, or for planting in the open ground, no stock of Snowball can surpass it. Pkt. 25c;  $\frac{1}{4}$  oz. 75c;  $\frac{1}{2}$  oz. \$1.25; 1 oz. \$2.25;  $\frac{1}{4}$  lb. \$8.00.

**Cauliflower Plants.**—Ready May 1st. Snowball and Erfurt. By mail, doz. 20c; 100 \$1.25. By express, 100, \$1.00; 1,000, \$7.00. Less price for other varieties.

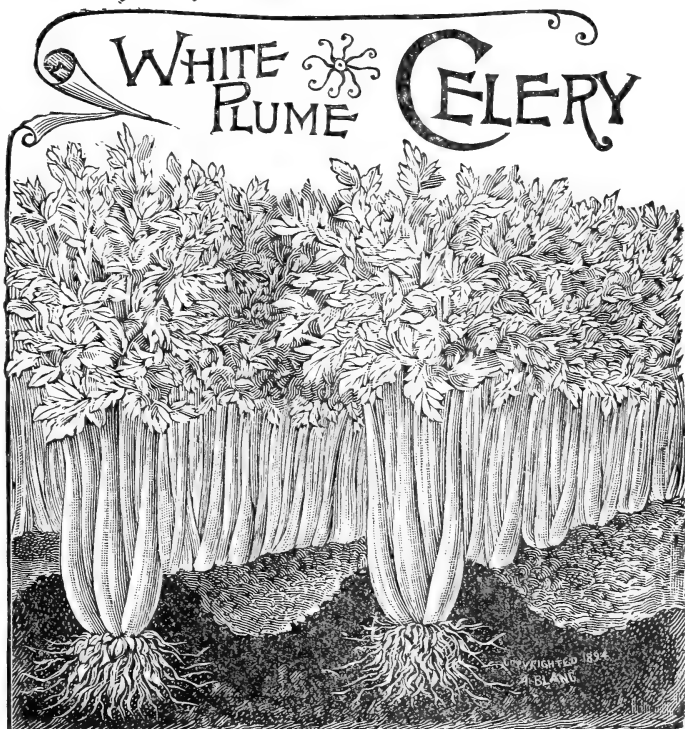
## CELERY.

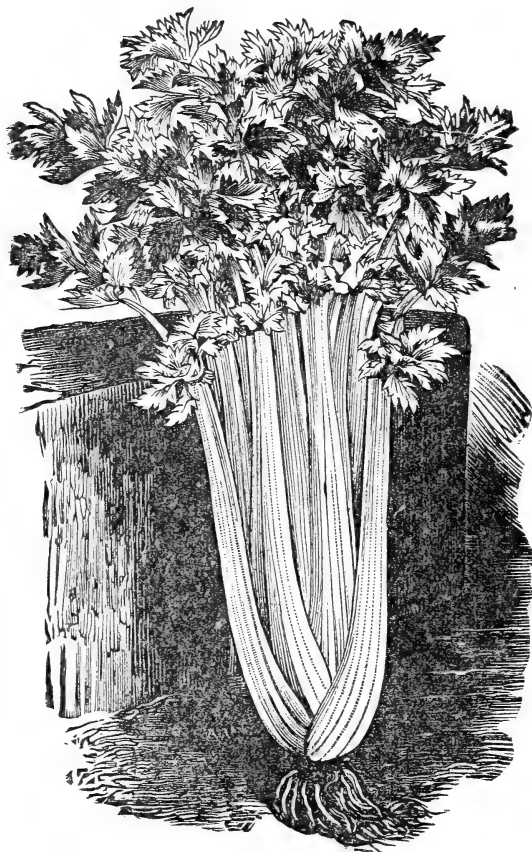
The Finest and Most Superior Strain of Celery Seed Grown in the World.

One ounce will produce about 3,000 plants.

**CULTURE.**—A very popular and now extensively grown vegetable. It can be grown with success in any ordinary good soil, but attains perfection in deep, mellow, bottom land. Sow when the apple is in bloom, on finely raked surface and cover scarcely at all, quite early in the Spring, in a moist place or convenient to water, which apply freely in dry weather. When the plants are four inches (more or less) in height, transplant a portion into very shallow trenches in

Gilt Edge Early Snowball.

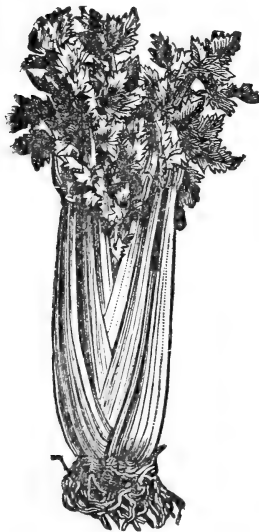




**New Golden Self-Blanching Celery.**

**New Giant Pascal.** The latest and best variety of Celery. It is a selection from the Golden Self-Blanching and adds to the general good qualities of its parent, superior keeping qualities. The stalks are very large, thick, solid, crisp, and of a rich, nutty flavor, free from any taste of bitterness. It blanches very easily and quickly, and retains its freshness a long time after being marketed. The heart is golden-

yellow, very full and attractive in appearance. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.



**Dwarf Golden Heart.**

**Dwarf Golden Heart.**

A distinct variety of sturdy dwarf habit. It is solid and an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it an exceedingly showy and desirable variety for either market or private use. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Mixed Celery Seed.**

For flavoring. Oz. 5c;  $\frac{1}{2}$  lb. 10c; lb. 25c.

**Celery Plants.** Ready May 1st. By mail, doz. 20c; 100, \$1.00. By express 100, 60c; 1,000, \$4.00. After June 20th, \$3.00 per 1,000.

well-manured land, which planting repeat at intervals of two or three weeks for a succession, until the necessary quantity is set out.

**White Plume Celery.** The earliest and handsomest, the easiest grown and most profitable for early market. White Plume is self-bleaching; the stalk and portions of the inner leaves and heart are naturally white; needs very little banking up to blanch; crisp, solid and of a nutty flavor, while its white, feather-like foliage places it at the head of all others as a table ornament. Our seed can be relied upon as the "True White Plume." We have made a specialty of White Plume ever since its introduction. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

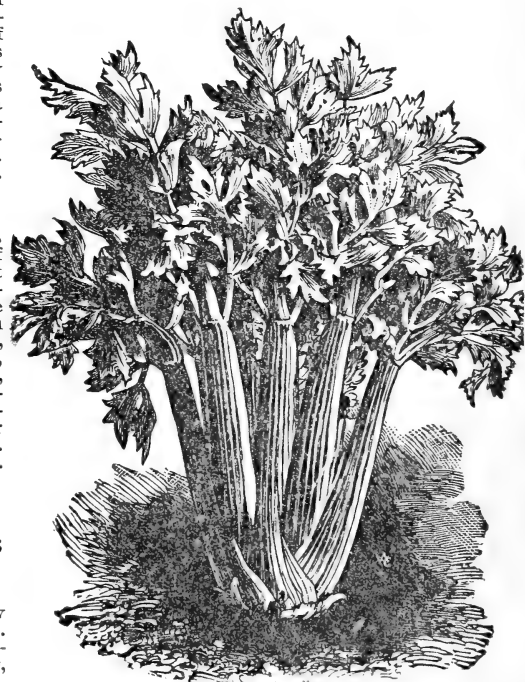
**Boston Market.** A very superior market variety; much esteemed for family and market use and a good keeper. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**New Golden Self-Blanching (Golden-Yellow, Large, Solid).** This is the best Celery in cultivation, and it cannot be too highly recommended. The plant, with its close habit, compact growth, and straight, vigorous stock, has a beautiful appearance. The ribs are perfectly solid, crisp, brittle and of delicate flavor, surpassed by no other variety, while it has the decided merit of being self-blanching to a very remarkable degree. The heart is large, solid, and of a beautiful, rich golden-yellow color. The leaves also are of a beautiful golden-yellow after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. No variety can surpass, if indeed equal, the Golden Self-Blanching in striking appearance and delicious flavor. Exceedingly popular with every planter. Excellent sort for early planting and good keeper. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; lb. \$3.00.

**Crawford's Half Dwarf.** A great favorite with market gardeners. Early, solid, vigorous growth, and nutty flavor; very ornamental and exceeds many of the larger growing kinds in weight. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Giant White Solid.** The best of the large growing sorts and a favorite variety, solid, crisp and tender. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**Red or Pink.** A variety fancied by reason of its distinctive color and hardness. Quality good; desirable in the private garden as one of the most reliable sorts. Pkt. 5c;  $\frac{1}{2}$  oz. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.



**New Giant Pascal Celery.**





**Celeraic.**

## CELERAIC, OR TURNIP-ROOTED CELERY.

**CULTURE.**—Sow early in the Spring in light, rich soil; transplant in May into beds. Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad. They are also used for seasoning meats and to flavor soups.

**Prague Giant.** Of fine flavor and large size. Pkt. 5c; ½ oz. 10c; oz. 20c; ¼ lb. 50c; 1b. \$1.50.

## CHERVIL.

Curled. Aromatic herb. The young leaves are used in soups or salads. Sow thinly in May, in drills half an inch deep, one foot apart. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1b. \$1.00.

## CHICORY.

**Large-Rooted Magdeburg.** Roots of this form the Chicory of commerce. Used to mix with or as a substitute for coffee. Cultivation the same as for Carrot. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 75c.

## CHIVES.

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops, which are used whenever the flavor of onion is wanted. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early in the Spring, and can be cut throughout the season. They should have a place in every garden. Roots, per bunch, 20c., postpaid.

## COLLARDS.

**True Georgian, or Creole.** Excellent for greens; quite extensively grown in the South. Sow for succession from June to August, and treat as Cabbage. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1b. \$1.00.

# SWEET OR SUGAR CORN.

## GROWN UNDER CONTRACT.

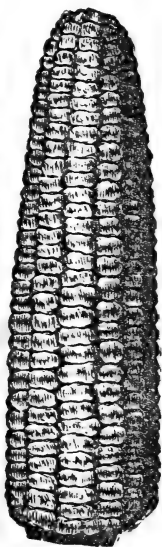
**Special Prices will be made for Larger Quantities than here quoted.**

The Sweet Corn we offer is grown under contract here in Ohio, and Corn grown in this section is acknowledged by all seedsmen and gardeners to be second to none. We could buy splendid looking Sweet Corn grown in western States at one-half the price we paid for ours, but we prefer to work for the benefit and interest of our customers as well as our own, even at less profit. **HALF PECK AND HALF BUSHEL AT PECK AND BUSHEL RATES.**

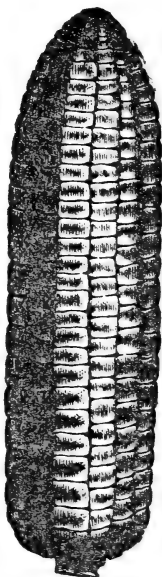
**CULTURE.**—The Sweet or Sugar Corn varieties being liable to rot in cold or wet ground should not be planted until May, or when the ground has become warm, and for a succession plant every two weeks until the last week of July, in hills 2x3 feet for the early kinds, and 3x4 feet for the large late kinds. Some plant in drills 3½ feet apart and eight inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. Eight or ten quarts for an acre.



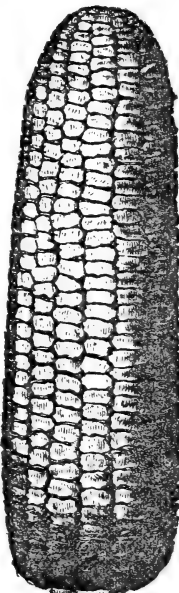
**Early Minnesota.**



**Shakers' Extra Early Corn.**



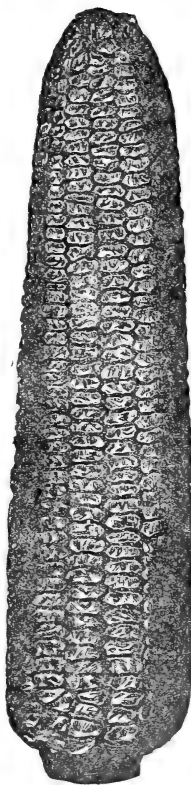
**Egyptian, or Washington Market.**



**Mammoth Sugar.**



**Early Russell's Prolific.**



**Stowell's Evergreen.**

**Extra Early Adams.** The Earliest White Corn; ready for table sixty days after germination. Height of stalk three to four feet; not a Sugar Corn, but a decided acquisition so very early in the season. In large demand among market gardeners. Pkt. 5c; pint 10c; quart, 15c; peck \$1.00.

**New Cory.** Extra early. The earliest variety of Sweet Corn known. Has a large ear, considering the size of the stalk and its extreme earliness; small cob, well filled with broad, deep grains; good quality. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Extra Early White Cory.** In all respects identical with New Cory, except color, kernels and cob being white; earliness the same. This removes an objection some have to the Cory on account of its color. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Mammoth White Cory.** The largest and best extra early variety of Sweet Corn. The stalks are not much larger than the white cob Cory and each stalk furnishes two or more large fine shaped ears before other varieties are ready for market. Pkt. 5c; pint 10c; quart 20c; peck \$1.00.

**Shakers' Early.** Ready about the same time as the Early Minnesota, but the ears are much larger; from two to three large ears to the stalk; kernels large, of pearly whiteness and delicious flavor. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Early Minnesota.** One of the earliest sorts of Sweet Corn, ears of suitable size for market purposes, esteemed for its excellent qualities. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Crosby's Early Sugar.** Early, great favorite in the market, productive and of excellent quality. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Moore's Early Concord.** A good second early. Many gardeners plant it as late as July 1st, as the ear will sell as well as Stowell's Evergreen. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Ohio Red Cob Evergreen Sugar.** This variety we consider one of the best for a general crop, coming immediately after the second earliest. It is very productive, has large, well filled ears, with deep kernels and small cob, is very sweet. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**The Hickox Corn.** A large variety, very white, tender and sweet. It grows eight, ten and twelve rowed. A great favorite with those who can corn for market. It ripens about a week earlier than Stowell's. The ears are longer and not quite as thick as Stowell's. Highly recommended. Try it. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Stowell's Evergreen.** Grown more extensively than any other variety, being a great favorite with canners and market gardeners for late use. The ears are of large size, kernels very deep, tender and sugary; very productive and remains a long time in fit condition for table use. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Philipps' New Wonder Early Sweet Corn.** We offer this new Sweet Corn as the New Wonder of all the early varieties of Sugar Corn ever grown. Its great merit is its earliness, large yield, with ears as large as Stowell's Evergreen, with two and three ears to stalk. Kernel pure white, very delicious, sweet and tender and the most wonderful extra early large-eared Sweet Corn ever introduced. We confidently recommend this New Wonder to the Market Gardeners as a great money-maker, and should be in every private garden. Our supply is limited, and would advise all in want of this choice Corn to order early. Pkt. 5c; pint 10c; quart 20c; peck \$1.00.

We are recleaners of all kinds of Field Seeds and Grain, and do not mix Medium with Mammoth Red Clover, but keep them separate, and ask our friends to write for our Field Seed Price List--mailed free.



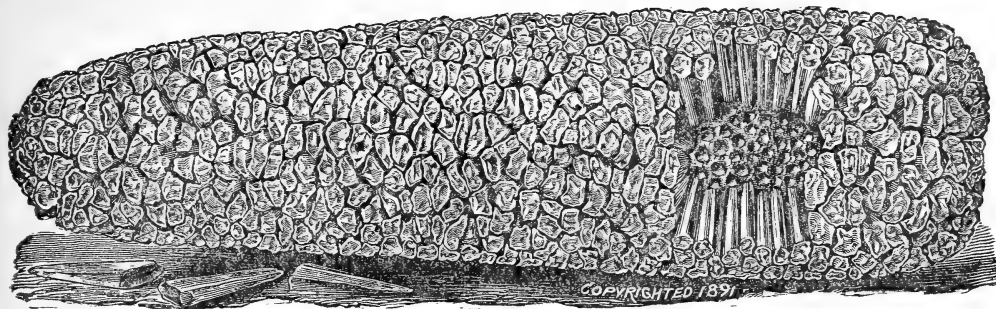
Philipps' New Wonder Corn.



Hickox Corn.



Ohio Red Cob Evergreen Corn.



### Country Gentleman.

**Country Gentleman Sweet Corn.** This is one of the finest of all sweet Corns for private table. The shape of the kernels on the cob indicates high quality. The moment your teeth sink into this luscious, milky, tender corn, you will become a complete convert to it, for it will delight the most fastidious epicure. Ears are plump, milky, pearly white, kernels fairly melting in your mouth, retaining its delicate flavor and tenderness even when a little old. Medium early, very productive, each stalk yielding three and often four ears. The Country Gentleman is also the most profitable sort for Market Gardeners and dealers. The ears are enclosed in a heavy husk, which tends to keep the ear in the milk for several days longer than any other corns. The ears average eight to nine inches in length, a very attractive size for table. The cob is usually small, and the pearly white kernels of great depth, of delicious quality and flavor. Don't miss trying it. Price, pkt. 5c; pint 10c; quart 20c; peck \$1.00.

**Russell's Prolific.** Only a few days behind the earliest. As large as the Evergreen, kernels very large, pearly white and sweet; ears are ten to twelve rowed, large and plump; stalks strong, bearing two or three ears each. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Black Mexican.** A black-grained variety, one of the sweetest of all kinds. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

**Egyptian or Washington Market.** Ears of large size. Very sweet and of rich flavor. Very productive, used extensively for canning. Pkt. 5c; pint 10c; quart 15c; peck \$1.00.

SWEET CORN IS ONE OF THE BEST paying crops to grow. If it cannot all be disposed of in the green state, for table use, the corn in its dry state, also the fodder, is very valuable.

## POP CORN.

**Early White Rice Pop Corn.** One of the finest and most prolific Pop Corns grown. Pkt. 5c; pint 15c; quart 25c.

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At Prices Quoted, Postage is Paid on Beans and Corn in Packets Only.

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## CORN SALAD or FETTICUS.

**CULTURE.**—Sow during August and September, in drills or broadcast. Keep down weeds with hoe. Just before the first of the Winter cover thinly with clean straw or leaves. A delicious hardy salad.

**Large Seeded.** Pkt. 5c; oz. 10c; 4 oz. 25c; 1b. 75c.

## CRESS.

**CULTURE.**—Sow thick in shallow drills every two or three weeks. Cut often—it will continue to grow. Useful as salad, for breakfast table and garnishing. True Water Cress should be grown in damp soil; if a stream of water could be utilized it would be much finer; will also thrive in damp hotbeds.

**Curled or Pepper Grass.** Pkt. 5c; oz. 10c; 1b. 50c.

**Broad Leaved.** Pkt. 5c; oz. 15c; 1b. 75c.

**True Water Cress.** Pkt. 10c; oz. 30c; 1b. \$3.00.



Corn Salad.

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It is of the Greatest Importance to Market Gardeners, also private families, to get the Earliest, Sweetest, most Delicious and most prolific Sweet Corn grown in this country. We can supply you with such, as our Sweet Corn Seed is Connecticut and Ohio grown exclusively. We therefore advise you to consider your own interest and send your orders to us, which will have prompt attention. Market Gardeners should read carefully discounts on page 2.

## FLOWER SEED

25 Cent Collection, by Mail, Postpaid.

- 1 Package Asters, Mixed
  - 1 Package Balsam, Double, Mixed
  - 1 Package Mignonette, Sweet
    - 1 Package Nasturtium, Mixed
    - 1 Package Pansy, Choice Mixed
    - 1 Package Petunia, Choice Mixed
    - 1 Package Sweet Peas, Choice Mixed
    - 1 Package Ten Weeks' Stock
    - 1 Package Zinnia, Double, Mixed

## VEGETABLE SEED

25 Cent Collection, by Mail, Postpaid.

- 1 Package Beet, Early Blood Turnip
  - 1 Package Cabbage, Early Summer
    - 1 Package Cabbage, Large Late Flat Dutch
      - 1 Package Cucumber, Toledo Market Evergreen
      - 1 Package Lettuce, Early Curled Simpson
      - 1 Package Onion, Prize Taker
      - 1 Package Radish, Extra Early Scarlet
      - 1 Package Tomato, Matchless

## VEGETABLE SEED

50 Cent Collection, by Mail, Postpaid.

- 1 Package Peas, Philipps' Early Summit
  - 1 Package Beans, Golden Wax
    - 1 Package Sweet Corn, Early Cory
      - 1 Package Beet, Early Blood Turnip
      - 1 Package Cabbage, Large Late Flat Dutch
      - 1 Package Cabbage, Early Summer
      - 1 Package Cucumber, Improved White Spine
- 1 Package Lettuce, New Salamander
  - 1 Package Water Melon, Improved Dixie
    - 1 Package Musk Melon, Hackensack
      - 1 Package Onion, Silver Skin
      - 1 Package Parsnip, Hollow Crown
      - 1 Package Radish, Extra Early Scarlet
      - 1 Package Tomato, Matchless

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There are No Better Collections of Seeds to be had for the Money  
anywhere in the World.--Full-Sized Packets.



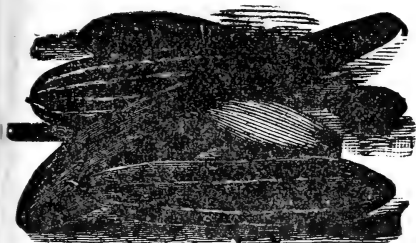
# CHOICE CUCUMBER SEED.

Crop Shortest Known in Years and Prices High.

Growers of Large Quantities of Cucumbers should Write to us for Special Prices.

One Ounce for Fifty Hills. One to Two Pounds for an Acre.

SLUG SHOT IS DEATH TO THE BUGS.

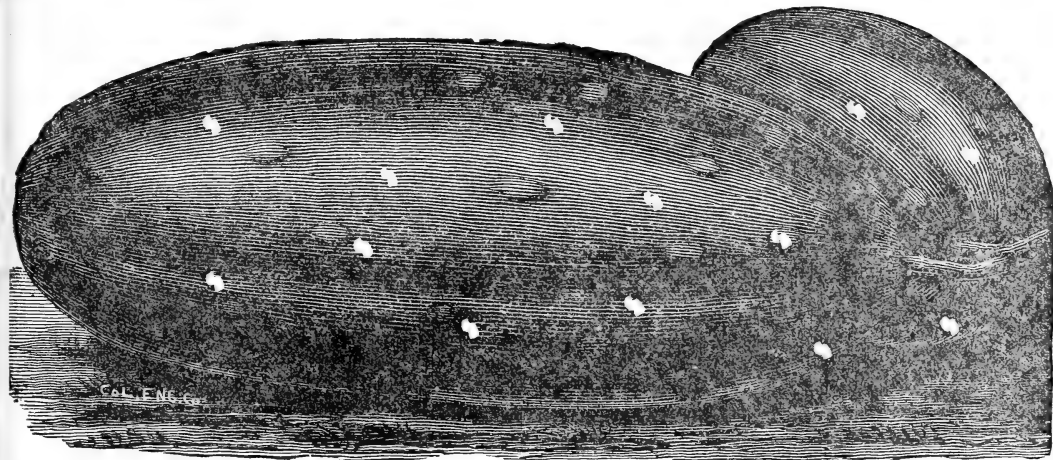


**CULTURE.**—For very early sow seeds in hotbeds upon pieces of sod, or in small pots, and they can be readily transplanted, with a gain of about six weeks before they can be sown in the open ground. Plant out in rich soil, when danger of frost is over. For general crop sow in open ground as soon as the weather is settled and warm, and again every two weeks for a succession. For pickles, sow from the middle of June to the first week in August.

**Early Russian.** Earliest in cultivation, hardy, prolific, only about three inches long; fine for pickles; unsurpassed for table use; remarkably solid, with very few seeds and of best quality. Pkt. 5c; per oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

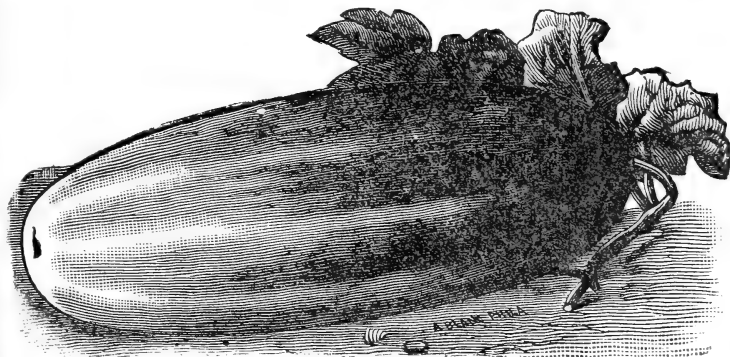
**Extra Early Frame, or Early Short Green.** Although often sold under each name as different varieties, both are one and the same cucumber. Productive, of vigorous growth, early fruits of medium size, straight and well-formed; popular for both table use and pickling. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Early Green Cluster.** Fruit small and in clusters; valuable for pickles. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.



Toledo Market Evergreen White Spine.

**Toledo Market Evergreen White Spine.** A new and improved strain of the well-known White Spine, and fast becoming the favorite with market gardeners both for forcing and outdoor culture. It differs from the ordinary White Spine in the fact of always REMAINING OF A DEEP GREEN COLOR in all stages of growth.

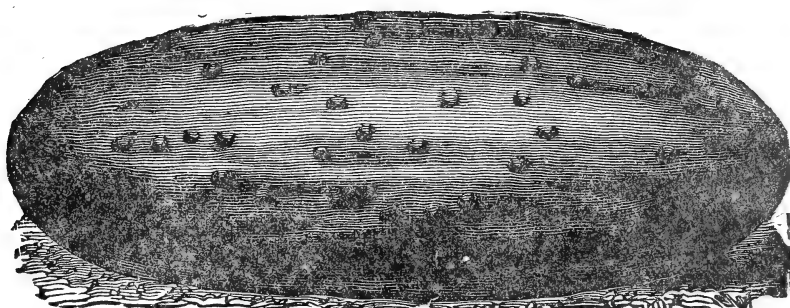


Improved Extra Early White Spine.

Altogether it is a most welcome and valuable acquisition for pickling, market or home use, and should be tried by all who have a garden. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Improved Extra Early White Spine.** For both market use and pickling this variety is now more largely grown than any other, and is very much superior to the old White Spine. Our stock is grown from the true Boston strain. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

Give us a trial order—We want your trade.

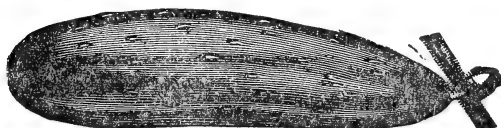


Nichols' Medium Green Cucumber.

**Nichols' Medium Green Cucumber.**

This new Cucumber is worthy of the first place among pickle sorts, second to none as a slicer, and very good for early forcing purposes; in color dark green; flesh crisp and tender; productive, medium in size, always straight and smooth, a real handsome good variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Long Green Improved.** Long, crisp and a popular and reliable variety for pickling and slicing for table; good for general crop. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.



Extra Green Prolific Pickling.



Boston or Jersey Pickling.

**Extra Green Prolific Pickling.** One of the best for pickling; dark green, very productive and of uniform small size; very few seeds. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Boston or Jersey Pickling.** A favorite eastern sort of fine quality, medium length; reliable variety for pickling and slicing. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Extra Long White Spine or Evergreen.** This variety often grows to exceed 12 inches in length. Very smooth, straight and handsome; is quite early, very prolific, of a dark green color in all stages of growth, crisp, tender and free from bitterness. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Philipps' Everbearing.** Small size; very early and enormously productive, and valuable as a green pickle. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**The Emerald.** A new Cucumber of good quality that holds its color long after being pickled and is almost free of warts and spines, good for forcing and shipping. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Trilby's Hybrid.** A cross between the White Spine and a large English variety. Good for market and table. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Japanese Climbing.** A real climbing Cucumber for small gardens on poles and trellis. Fruit throughout the season. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**Arlington.** For market use this Cucumber is unsurpassed and is now largely grown by all Market Gardeners. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**Small Gherkin.** Very small burr; used for pickles. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.50.

**DANDELION.**

**Improved Large-Leaved.** A very early and healthy Spring salad. Sow early in the Spring in drills eighteen inches apart and thin out to six inches in the drills. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25; 1b. \$4.50.

**EGG PLANT.**

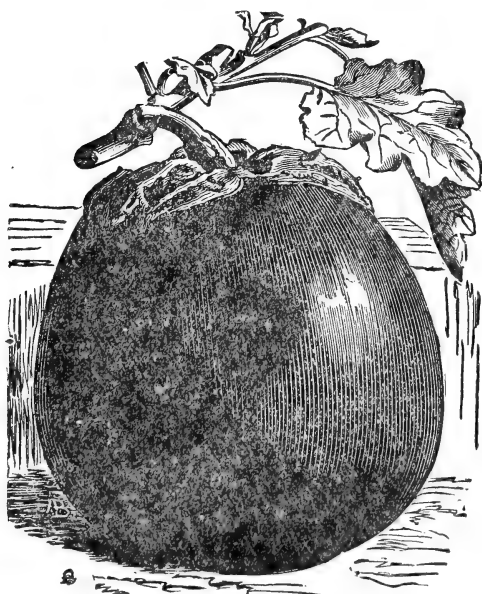
One ounce will produce about one thousand plants.

**CULTURE.**—Sow early in the hotbed. When plants are three or four inches high, transplant two feet apart in rich, warm, dry soil. Cultivate same as cabbage.

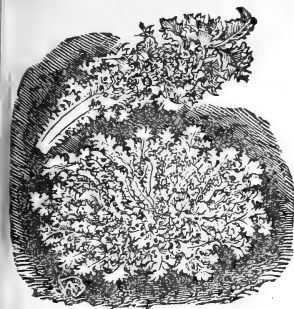
**TO COOK.**—Cut the slices one-fourth to one-half inch in thickness; pare off rind; put into dish with a layer of salt between the pieces, beginning with a layer of salt at the bottom of dish. Let stand three or four hours, then wipe each slice dry with a cloth; fry in a batter of eggs and flour; season to taste, and you have an excellent dish.

**New York Improved Large Purple.** The best variety in cultivation; *contract grown*. Being early, a sure cropper; and of fine quality. Fruit very large, oval, deep purple; flesh white and tender. Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**Egg Plants.** Ready May 1st. New York Improved. By mail, doz. 25c. By express, 100, \$1.00.



New York Improved Large Purple Egg Plant.



White Curled Endive.

## ENDIVE.

**CULTURE.**—For an early crop sow in April. For general crop sow in June or July; cover lightly. When up thin out to eight inches apart. When the leaves are six or eight inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air or they will rot.

**Green Curled.** Best for general crop, for early and late use; crisp in quality, hardy. Pkt. 5c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**White Moss Curled.** Very beautifully curled; for early season, fine flavored. Pkt. 5c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**Broad-Leaved Batavia.** Has broad, thick, slightly wrinkled leaves; pale green and good keeper. Pkt. 5c; oz. 15c; 4 oz. 40c; lb. \$1.25.

## GARLIC.

Garlic is the most pungent in taste and has the strongest odor of all the Onion family. It is esteemed for flavoring soups, stews, sausage, etc.

**CULTURE.**—Prepare ground and cultivate same as Onions.

**Large Bulbs**—25c per lb.

**Small Sets or Seeds** will make large bulbs. Per pound, 50c.

## GOURD.

**CULTURE.**—The Gourd is a tender annual, and should not be planted until the danger of frost is over, and not less than six feet apart each way, in good rich loam.

**Sugar Trough.** This variety grows to a very large size, and is valuable when dry for a variety of household purposes, baskets, etc. Pkt. 5c; oz. 25c.

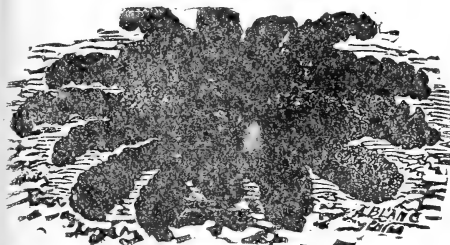
**Dipper.** Very useful for many purposes; holding about a quart, with a long handle. Pkt. 5c; oz. 25c.

**Dish-Cloth.** Grow two feet in length. The lining and inner portion is sponge-like, tough and elastic, and used for dish-cloths. Pkt. 5c; oz. 25c.

**Nest Egg.** Japanese Nest Egg. They resemble a hen's egg in color, shape and size. Pkt. 5c; oz. 25c.

**Fine Mixed.** A collection of the most ornamental, including all the above. Pkt. 5c; oz. 25c.

## KALE, or BORECOLE.



Dwarf German Curled Kale.

**CULTURE.**—Sow from the middle of April to the beginning of May in prepared beds; transplant in June and treat in same manner as for the Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are extremely hardy and are best when touched by frost.

**Curled Tall Green Scotch.** Hardy; best after frost. Pkt. 5c; oz. 10c; 4 oz. 30c.

**German Dwarf Green Curled.** Very fine; light green. Pkt. 5c; oz. 10c; 4 oz. 40c.

**German Dwarf Brown Curled.** Very hardy. Pkt. 5c; oz. 10c; 4 oz. 40c.

## KOHLRABI.

### Above-the-Ground or Turnip-Rooted Cabbage.

**CULTURE.**—When young and tender they are fine for table use; when matured they will keep well, and are excellent for Winter feeding to stock. For early use sow in hotbed; transplant and cultivate like early Cabbage. For Winter use sow the middle of June or first of July, in rows ten inches apart. One ounce of seed for 1,500 plants.

**Early White Vienna.** Flesh white and tender, excellent forcing variety. Pkt. 5c; oz. 20c; 4 oz. 60c.

**Early Purple Vienna.** An excellent sort, later than the White. Pkt. 5c; oz. 20c; 4 oz. 60c.



Kohlrabi.

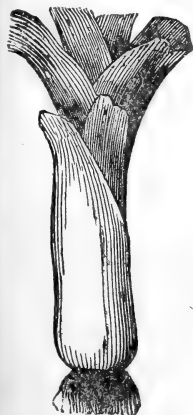
## LEEK.

One ounce will produce 1,000 plants.

**CULTURE.**—Sow early in Spring, in drills six inches apart and one inch deep. Thin out to one inch. When about seven inches high, transplant them in rows twelve inches apart, and as deep as possible, but do not cover the young center leaves. Water thoroughly, if dry when planted out. Draw earth up to them as they grow. Very rich soil is required. Take up and store in earth in a cool cellar before Winter weather.

**Large Improved London Flag.** An old standard. Broad leaves of strong and vigorous growth; hardy. Pkt. 5c; oz. 10c; 4 oz. 30c.

**Large Musselburgh, or Scotch Champion.** Of enormous size. Leaves broad and tall, spread like a fan; hardy, and of excellent quality. We highly recommend this. Pkt. 5c; oz. 15c; 4 oz. 45c.



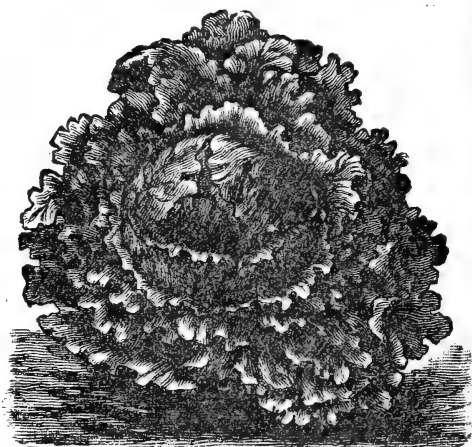
Large Flag.

## LETTUCE.

One Ounce of Seed for 2,500 Plants.

Lettuce, the most used of all salads, is of very easy culture; every gardener and garden spot should have a plentiful supply. With but little trouble and the proper selection of varieties, it can be had the whole year round, while no other salad is so appetizing or more wholesome.

**CULTURE.**—To have fine Lettuce in early Spring, sow in seed-bed from commencement to middle of Autumn. Protect the plants by a cold frame or with litter, as they stand on the ground. Early in the Spring transplant them into rich ground. Or in early Spring sow in hotbeds and transplant. For a later supply sow in drills from time to time, during Spring and Summer; when up a few inches thin out, leaving plants at proper distances; this is better than transplanting late in the season.

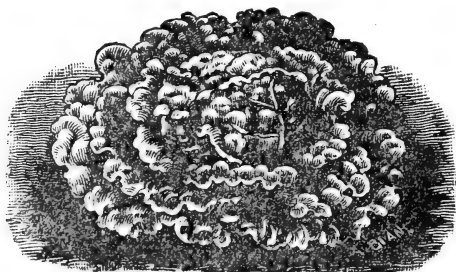


Philipps' Early White Cabbage Lettuce.

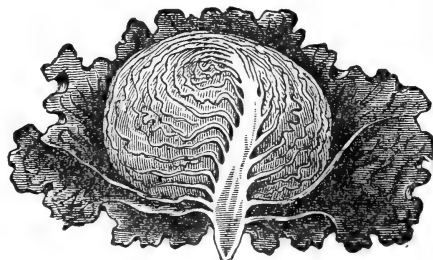
**Denver Market.** This novelty in Lettuce forms beautiful large, solid heads, of a delicate light green color. The leaves are blistered like a Savoy Cabbage, most attractive in appearance. It is very tender, of excellent flavor, grows quickly; is good to grow early in the open ground, yet is slow to run to seed. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Philipps' Early White Cabbage, or Butter Salad.** This is our leading standard sort; heads large, solid, close and well-formed, very tender, crisp and of excellent flavor, and always free from bitterness. Desirable for forcing and for out-of-doors. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Iceberg.** For several seasons we offered this beautiful Lettuce to our customers, and all, so far as heard from, are highly pleased, and regard it worthy of general cultivation. The large curly leaves are of a bright light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The quality is simply perfect. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.



New Silver Ball Lettuce.



Early Hanson Lettuce.

**New Silver Ball.** This lettuce produces a beautiful head, very firm, solid and compact, with handsomely curled leaves. The head is of an attractive silvery white color, very rich, buttery, and of most delicious flavor. Early, and stands a long while before running to seed. An excellent variety, both for early Spring and Summer use. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Early Hanson.** Improved hard-heading stock. Forming fine, large, solid heads, which are both crisp and tender. They frequently attain two to three pounds each. We regard it as a very valuable variety. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Tennis Ball.** (White Seeded.) A favorite forcing variety, forming a hard head. Can be planted quite closely under glass. Largely used in hotbeds and greenhouses; very hardy. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Grand Rapids Forcing.** Being often disappointed in getting the genuine stock of this grand Lettuce, we have for several seasons been growing this seed here at home, and we recommend the same as pure and reliable. There is nothing superior, if it has any equal, for growing under glass; it requires less care, will grow more weight in the same space, is not liable to rot, and will keep longer without wilting than any other variety; is of fine appearance, crisp and tender. It is also valuable for outdoor growing. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Big Boston.** This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is *double the size*. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A desirable variety either for forcing *in cold frames* or open ground planting. The "Big Boston" is sure to be wanted by market gardeners and truckers, because it always produces large, solid, salable heads, and will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

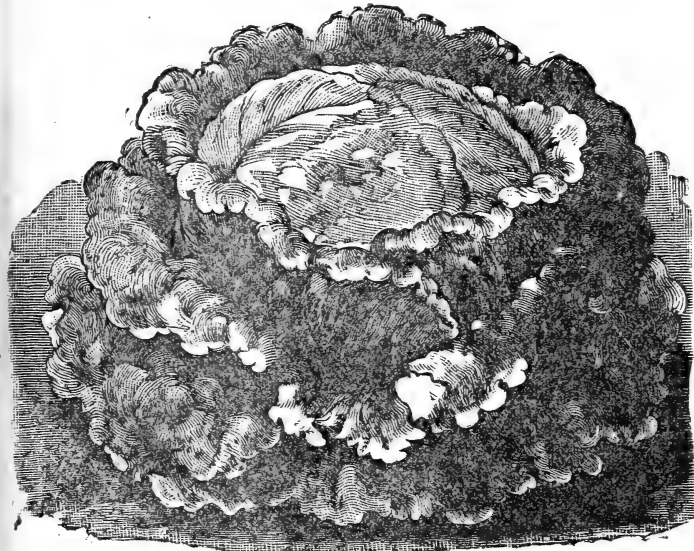
**Black Seeded Simpson.** Like the curled Simpson, this variety does not properly form a head, but it is lighter in color, the leaves nearly attaining double the size of the curled Simpson; it is well suited for forcing and it is one of the best for market gardeners. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Boston Market.** This is an improved variety of the Tennis Ball, and attains a large size. It grows very compact; is white and crisp; one of the best varieties for forcing or outdoor growing. Try it. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**New Salamander.** For summer use, forming good sized, compact heads; color light green outside, white on inside; withstands heat. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Prize Head or Early Brown Cabbage.** Bronzed, curled. New sort. A half cabbage variety of bronze-edged leaves; a beauty. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**New York.** A very large green Lettuce with solid heads, often weighing three to four pounds each. Not suited for forcing, but excellent for Summer use, being slow to come to seed. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.



California Cream Butter Lettuce.

**California Cream Butter Lettuce.** This forms round solid heads of good size. The outer leaves are green, marked with small brown spots, the inner portion is a rich cream yellow and of a rich buttery flavor, is medium early; an excellent Summer Lettuce, slow to go to seed. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Early Curled Silesian.** A cutting variety; earliest for outdoor planting. Does not head; affords good flavored salad long before the cabbage varieties have commenced to head. Color almost golden. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Early White-Seeded Curled Simpson.** This variety does not head, but forms a compact, close mass of leaves; for forcing and early outdoor sowing. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

## No Better Seeds can be Bought East or West.

See page 24. Send us your order for one of the collections.

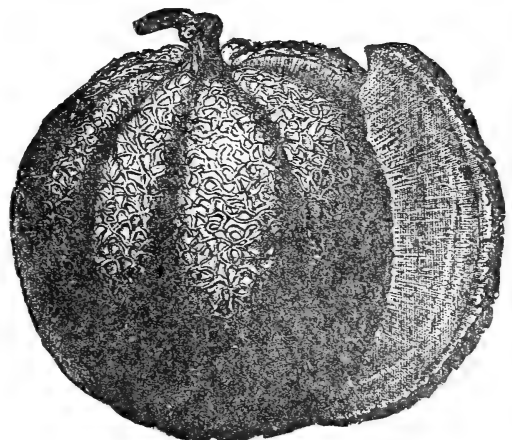
### MELON—MUSK, or CANTALOUPE.

#### No Better Seed Grown in the Land.

One Ounce of Seed for Sixty Hills; 2 to 3 lbs. for an Acre.

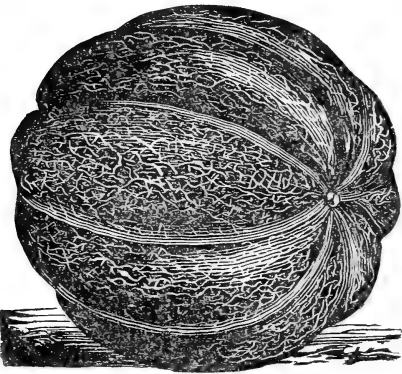
**CULTURE.**—Select a light, sandy soil, and after all danger of frost is over and the ground has become warm and dry, plant in hills four to six feet apart each way, six to twelve seeds to the hill. When up and all danger of insects is past, pull out all but three plants. Cultivate until the vines cover the ground, and pinch ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road dust is excellent to sift over the young plants when the dew is on to prevent the attack of insects. A few hills for early fruit may be had by sowing in hotbed on pieces of sod or in pots. The Seeds may also be started out of doors, under hand frames or glasses.

**Extra Early Hackensack.** This valuable variety is ready for market fully ten days ahead of the well known Hackensack, which it much resembles in shape and quality. The Melons are of good size, weighing from five to ten pounds each; excellent for market and private garden. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.



New Extra Early Hackensack.

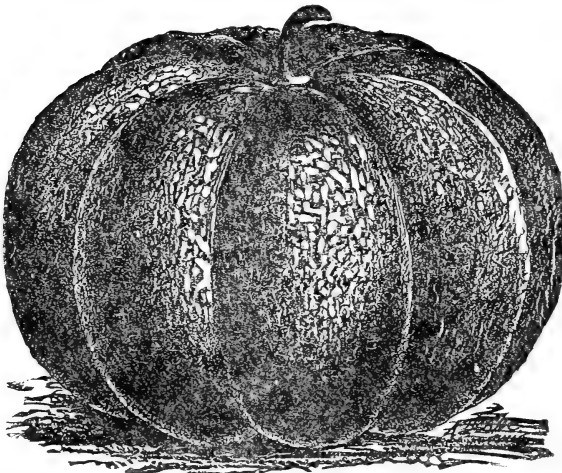




Extra Early Citron Nutmeg.

**Long Yellow Cantaloupe.** Yellow flesh. Very fine. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 75c.

**Emerald Gem.** Medium size, nearly round, flesh a delicate light salmon color, very thick, fine grained and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted, very early and one of the best for home use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 75c.



Toledo Early Market.

**Montreal Market.** Excellent variety of the largest size. We have had them weighing twenty pounds. In shape almost round, flattened at both ends, deeply ribbed, skin green and netted, flesh green. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

**Tiptop.** Smooth skin. Flesh yellow and very sweet. An excellent shipper and a tiptop Melon in every way. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

**Baltimore Nutmeg Cantaloupe.** A Melon of high repute in Philadelphia and Baltimore. Is showy, pointed at both ends, strongly netted, green fleshed, fine flavored, productive and a good shipper. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 75c.

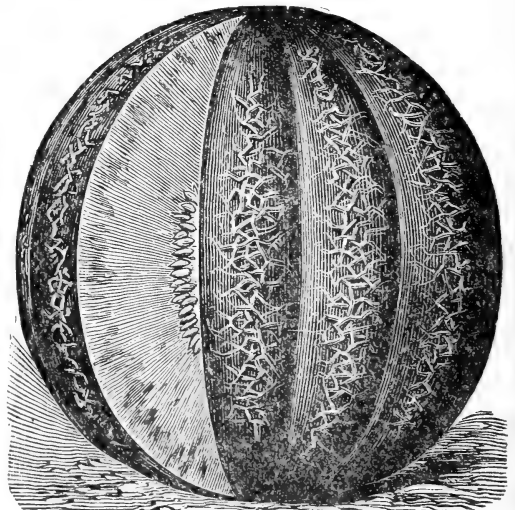
**Miller's Cream.** Ranks high as a market Melon, either for home or shipping. The flesh is of a rich salmon color, very sweet and melting, and so thick that the Melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive, and covers the ground with beautiful solid fruit. This Melon is undoubtedly one of the best flavored and most profitable for market or private garden. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

**Extra Early Citron Nutmeg.** The first in the market, the largest of the very early. A decided acquisition among the Cantaloupes. Ten days earlier than any other, fair size and of fine flavor. A variety which for its early maturity will be found profitable by all Market Gardeners, also in the private garden till others come into condition. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Paul Rose.** This new Melon is a cross between Osage and Netted Gem, combining the sweetness of the former and the netting of the latter. Is a SALMON fleshed small sized Melon and surpasses all others as a shipper and long keeper. It has thick flesh and small seed cavity, and is bound to rank first as a Market Gardeners' favorite. Do not fail to buy some seed and give it a trial. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Netted Beauty Musk Melon.** This new variety of recent introduction has met with large sale. Its great earliness, distinct, handsome appearance and productiveness has made it a favorite with all who gave it a trial. The whole crop averaged the past two seasons ten melons to a vine on good ground. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

**Toledo Early Market.** This fine Melon has been in our market for many years, cultivated and sold by our Market Gardeners of long experience, especially successful as Melon growers, in which no little skill is required, as market men well know. The seed was successfully controlled by a few gardeners, for the reason that they could market them two weeks earlier than others and at higher prices. They have sold this Melon as high as \$3.00 per dozen to our markets and commission houses. Is a type of the famous Chicago Market Musk Melon, equal to it in quality, which we hold to be of the VERY SWEETEST and MUCH LARGER and very productive. It is decidedly ribbed, extra well netted, with very thick green flesh. We managed to purchase some of the true seed of this grand Melon and offer it at a moderate price. As our supply is not large, we advise our friends to favor us with their orders at as early a date as possible. Pkt. 5c; oz. 10c; 4 oz. 35c; 1b. \$1.25.



Miller's Cream.



Rocky Ford.

Musk Melon Seed in Mixed Lots of 5 pounds, 10 cents per pound less.

## WATER MELON.

### THE BEST FRUIT THAT GROWS.

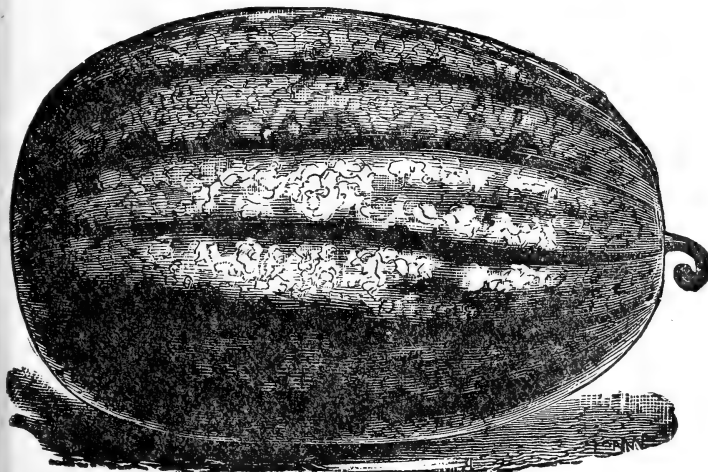
One ounce will plant about 50 hills, and 4 pounds will plant an acre.

**CULTURE.**—Treat the same as Musk Melon, except that they should be planted eight or ten feet apart, according to variety.

**Kolb Gem.** Extra Northern grown. Large, bright red flesh, of fine quality and a good shipper. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Peerless Improved.** Of medium size, thin rind, light mottled green, flesh bright scarlet, solid to center, crisp, melting, and sweet as honey. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Improved Ice Cream.** (White Seed.) Rind light green, flesh scarlet, solid and delicious, enormously productive, of unexcelled quality. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.



Cuban Queen.

**Rocky Ford.**  
The most popular of all Musk Melons for marketing in baskets. Fruit small, oval, slightly ribbed, densely covered with netting. Flesh thick, green, very sweet and highly flavored. This is the Melon of the West and so eagerly sought for by hotel and restaurant landlords. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**The Princess.**  
Nearly round in shape, with heavy netted dark green skin, flesh of a rich salmon color, and thicker than in any other Melon, very sweet and luscious in flavor, ripens early and grows to good size. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Phinney.** Extra early market. The first to ripen, and of fine quality, red flesh. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Black Spanish.** Large, roundish, nearly black, dark red flesh, early. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Cuban Queen.** Selected. This magnificent and distinct Melon is certainly one of the largest and finest varieties ever introduced. Try it. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**The Boss.** The most delicious. A new, handsome, early, oblong variety, of nearly the same thickness throughout, skin very dark, flesh deep scarlet, sugary, melting and of excellent flavor. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Improved Mountain Sweet.** Oblong, dark green, rind thin, flesh red, solid, sweet. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

## WATER MELON—Continued.

**Improved Long Dixie.** Selected. A new Water Melon of excellent merits and recommended as the best shipping Melon grown, being larger, earlier and more productive than the Kolb Gem, which has heretofore been considered the best Melon for shipping. It is of very fine appearance, a darker green than the Kolb, more beautifully striped. Longer and extremely hardy; its eating quality is unexcelled. We have the genuine stock. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

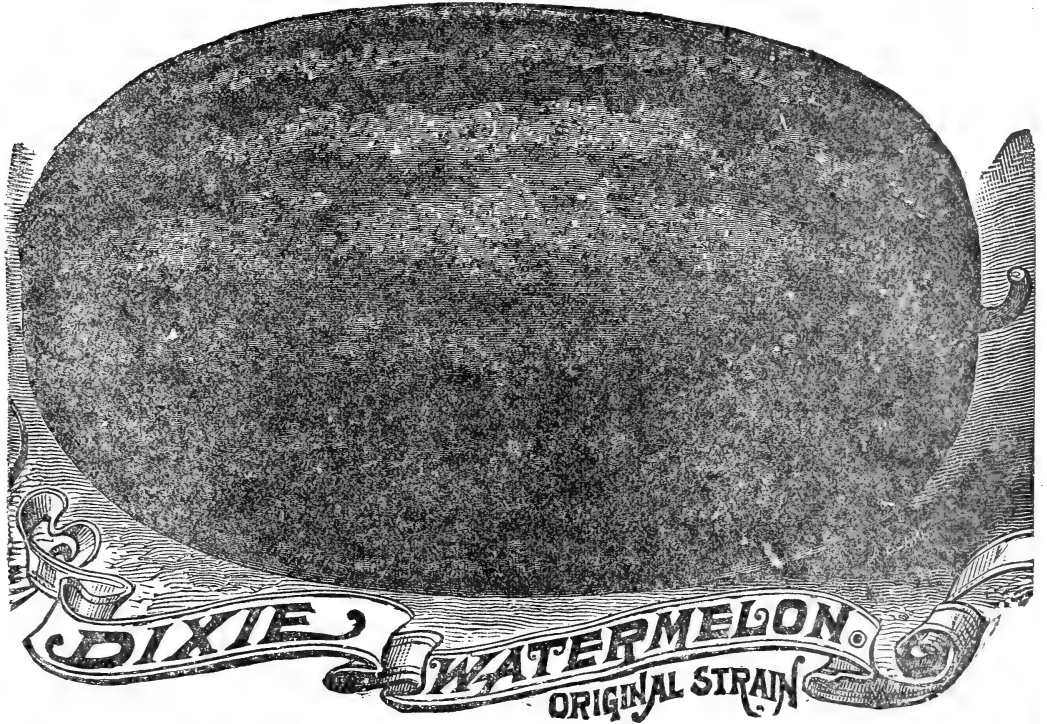
**Hungarian Honey.** A perfect globe-shaped Melon of medium dark green color, sweet as honey. A first-class market garden Melon; very early; flesh brilliant red. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Sweet Heart.** Has no equal as a shipping Melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled, very light green, rind thin, but firm; flesh bright red, firm, solid, but very tender, melting and sweet. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

**Fordhook Early.** New, of late introduction; an extra early sort of large size, averaging in weight 35 lbs.; excellent quality. Don't fail to try same. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 60c.

**Preserving Citron.** Red Seed. Used in making sweetmeats and preserves; flesh solid, white. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 60c.

Lots of five pounds and upwards ten cents per pound less.



## MUSHROOM SPAWN.

**CULTURE.**—Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 to 60 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 or 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days, then cover the bed with two inches of fresh loam, and over this put four or five inches of hay or straw and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moistened with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One brick of spawn is sufficient for a bed 2x6 feet.



Mushrooms.

English Spawn—Single Brick, 15c; 12 Bricks, \$1.50.

Postage extra.

## OKRA, or GUMBO.

**CULTURE.**—Select rich soil and plant when ground becomes warm. The pods used to thicken soup, being gathered when young.

**Dwarf Prolific.** Of dwarf habit and an abundant bearer; with long green slender pods; the best sort in use. Pkt. 5c; oz. 10c; ¼ lb. 25c.



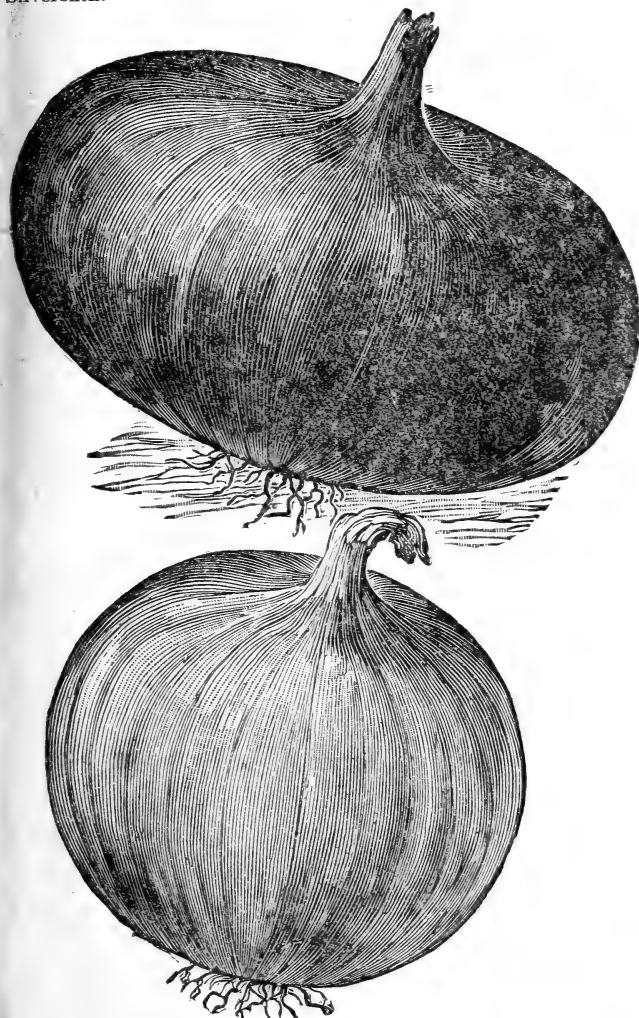
## OUR PEDIGREE DOUBLE TESTED ONION SEED.

Write for Special Prices on 25 lbs. or over, naming the varieties you want. We offer special inducements to those wanting a Seed Drill or Cultivator, with seed enough to sow an acre. We are headquarters for Onion Sets, and will sell you first-class sets at the very lowest prices.

**Good Onion Seed is of the Utmost Importance.** Fully realizing this, we have for some years made a SPECIALTY OF ONION SEED, and have all our crops raised under special contract, subject to careful supervision. Our Onion Seed ALL GROWN FROM CHOICE SELECTED BULBS, are critically examined before being set out for seed. In quality it is far superior to much that is put upon the market, often grown by persons too inexperienced or too careless to select fine, well-shaped bulbs. In vitality it is VERY STRONG, being CAREFULLY TESTED. The very rapid increase in our Onion Seed trade, particularly among market gardeners, many of whom order one hundred and more pounds, is the very best evidence that our Onion Seed is UNEXCELLED IN QUALITY.

**CULTURE.**—One ounce to 100 feet of drill, four to five pounds to the acre. The Onion thrives in a rather deep, rich, loamy soil, and unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the Spring as the ground is in working order commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and a foot apart, cover with fine soil, press down with the back of a spade or light roller. If grown to make large Onions, thin plants gradually, so that they stand two or three inches apart. Keep the ground free from weeds by frequently hoeing, taking care not to stir the ground too deeply.

**You can grow FULL-SIZED ONIONS THE FIRST YEAR FROM OUR BLACK SEED;** for this purpose four or five pounds of seed per acre are required. To raise small sets, forty to fifty pounds of seeds are required per acre, and for this purpose the best varieties are the Yellow Danvers, Yellow Strasburg, Early Red and White Silverskin.



Large Red Wethersfield and Yellow Globe Danvers.

**Large Red Wethersfield.** The most profitable Red Onion for the market gardener, as it is the heaviest yielder, 600 to 800 bushels having been frequently harvested upon a single acre from seed sown in the Spring. It grows to good size, single Onions often weighing from one to two pounds apiece. In short, it is the best Red main crop Onion for everybody. Our strain is unsurpassed, the seed we offer having been saved from the largest onions of perfect shape and deepest color. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

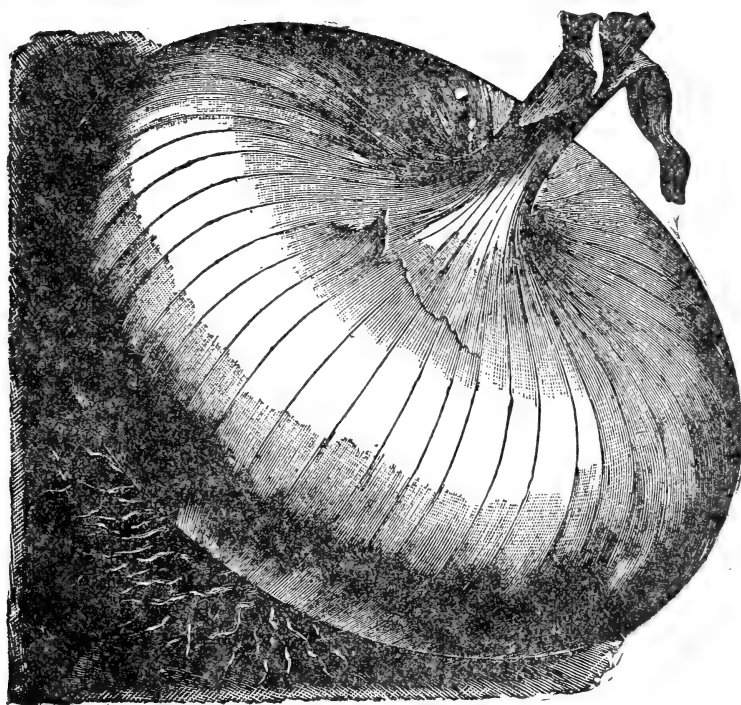
**Extra Early Red.** Smaller than Red Wethersfield, and about ten days earlier; color, beautiful deep red. Give it a trial. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

**Southport Early Red Globe.** Grown by us from selected bulbs. This is a very handsome variety, and is deserving of general cultivation. It matures early, grows to a medium size, skin deep red; flesh fine grained, mild and tender. Pkt. 5c; oz. 15c; 4 oz. 50c; 1b. \$1.50.

**Early Flat Yellow Danvers.** Different from the Globe strain only in shape, being more flat. A splendid Onion for the market or home use; sells readily in the market. Very productive. Pkt. 5c; oz. 10c; 4 oz. 25c; 1b. 85c.

**Yellow Dutch or Strasburg.** One of the oldest varieties, a good keeper, used largely for growing sets as well as for market. Pkt. 5c; oz. 10c; 4 oz. 25c; 1b. 85c.

If there is anything in the Seed or Implement line that you want and do not find listed in this Catalogue, write us and we will try to get it for you.



Mammoth Silver King Onion.

**Mammoth Silver King Onion.** This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference and often weighing 2½ to 4 pound each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver white, flesh snowy-white and tender, of a mild, sweet flavor. We know of no variety of this vegetable that has attracted so much attention as this. Its large size and handsome appearance, as well as mild flavor, recommend it for exhibition at fairs, for the fancy market as well as the home table. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1b. \$2.00.

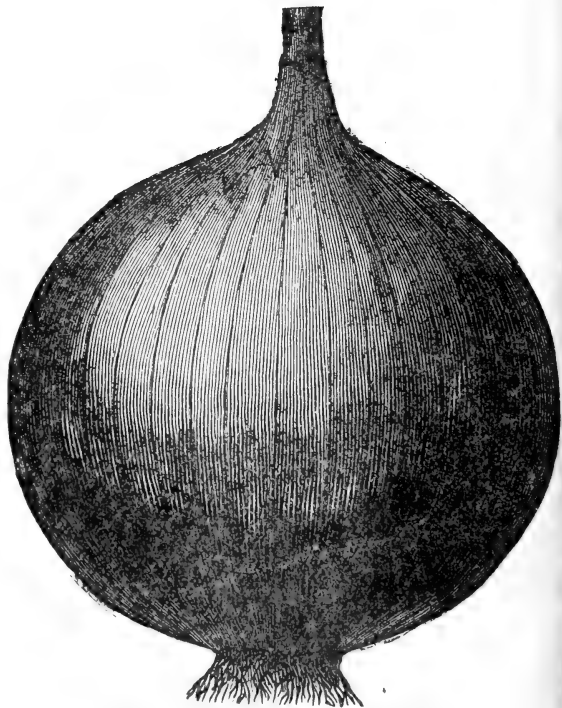
**Yellow Globe Danvers.** Extra selected. Extensively grown as a main crop, true globe-shaped variety, beautiful golden color, very productive, a first-rate keeper and shipper, the best and most profitable market sort. Our seed cannot fail to please. Pkt. 5c; oz. 10c; 4 oz. 30c; 1b. \$1.00.

Read over our Potato Price List, Page 41. See what we offer in the way of Incubators, page 75. Do not be afraid to order. We deal fairly.

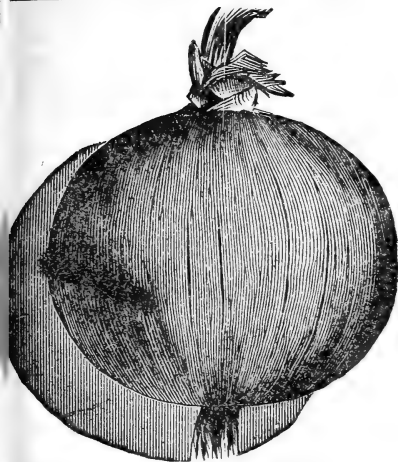
**Our Northern Ohio Yellow Globe Onion.**

Fancy Lake County selected stock. Generally admitted by Onion growers everywhere to be the most desirable strain and perfect type of globe-shaped Onion in existence. We name it Northern Ohio Globe to distinguish it from the many strains of Globe Danvers now offered. It represents the product of years of careful selection and cultivation, this, the finest strain of that popular type of the Yellow Globe Danvers Onion, which intelligent, painstaking care can produce. It is immeasurably superior to the average seed offered, not only in shape and color, but in productiveness. Its main points of excellence are: distinct and attractive shape, handsome, bright, even color, it ripens early and all at once. The necks are very small and cure almost down to nothing. The firm solid bulbs are excellent winter keepers and all that can be desired in size and quality; enormous yielders, 900 bushels (standard weight) per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil (when well enriched) and especially good for marsh lands, on account of its quick maturing qualities. Try this big money-maker. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1b. \$1.50.

**Southport Large White Globe.** Large strain of globular shape, white skin, a good keeper, commands the highest market price. Pkt. 5c; oz. 15c; ¼ lb. 60c; 1b. \$2.00.



Northern Ohio Yellow Globe Onion.



**White Portugal or Silver Skin.** Very desirable for family use, a good keeper, flavor mild and pleasant, skin silvery white, of handsome appearance, highly esteemed for pickling when young, also for market in early winter. This is the variety of which White Onion Sets are grown. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

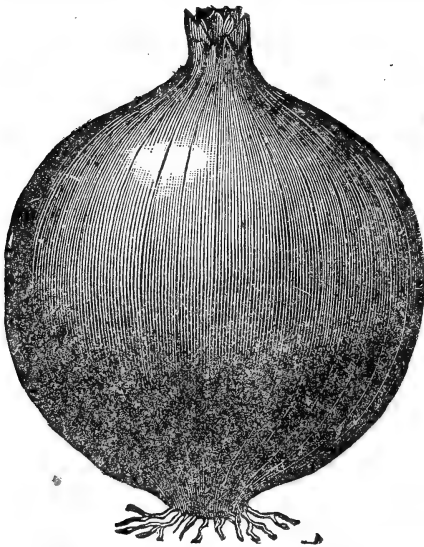
Onion Growers on Marsh Lands wanting Wheel, Drag or Ditching Scrapers and Plows, will do well to read page 85. Also write us your wants in other lines, as we are in position to quote you prices on all kinds of machinery and tools for gardening and farming.

White Portugal or Silver Skin Onion.

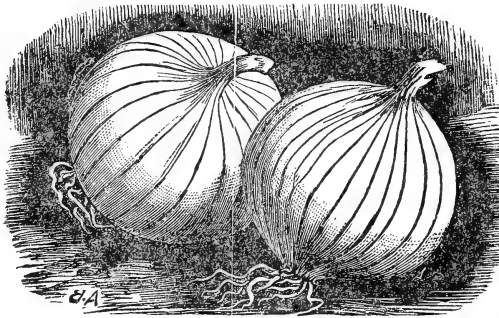


## MAMMOTH PRIZE TAKER

**The Prize Taker.** Genuine American grown. The handsomest, largest Yellow Globe Onion. A new variety introduced a few years ago, which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size, many single Onions having been raised to weigh five pounds and over from seed the first year. It is of the same type as those immense imported onions which can be seen in fruit stores and always command a very high price. The Prize Taker grows always to a perfect globe shape, with a bright straw-colored skin; the necks are very small, and the Onions always ripen up hard. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 45c; 1b. \$1.40.

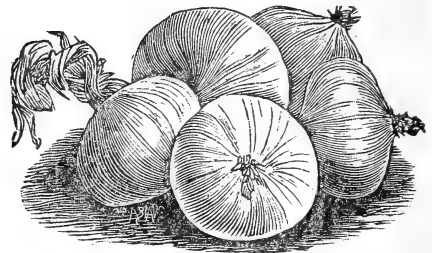


Southport Large Yellow Globe.



Adriatic Barletta.

**Southport Large Yellow Globe.** Beautiful in size, shape and color; maturing a few days later than the Red Wethersfield. This Onion is a great seller throughout the States, and Onion growers make no mistake in planting large quantities of the seed we offer, which is first-class in every respect. It is a splendid keeper and in quality is superior to most other varieties. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25



Early Paris Silver White.

**Early Paris Silver White.** One of the earliest varieties; small, white and beautiful; valuable for an early bunch Onion, also much used as a pickling variety; popular with the Paris market men. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

**Adriatic Barletta.** A very early, small, pure white variety, having a very delicate silver skin, flesh firm and mild in flavor. Its great merit is its extreme earliness. For pickling purposes it is unexcelled. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

**White Queen.** Remarkable for its extreme earliness and very mild flavor; it is small and white skinned, much liked for pickling. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

## NORTHERN OHIO AND PENNSYLVANIA GROWN, WHITE AND YELLOW ONION SETS.



Onion Sets.

**CULTURE.**—They should be planted out as early in Spring as the ground is dry enough to work. Bottom sets are produced by sowing the Seed as early as the ground can be worked in Spring, very thickly in beds or drills, at the rate of 50 lbs. per acre. One quart of sets to 30 feet in drills; 8 to 12 bushels, depending on size, to set an acre in drills. EXPRESS OR FREIGHT CHARGES TO BE PAID BY THE PURCHASER. On account of the early publication of this Catalogue we cannot guarantee prices given, but to avoid unnecessary delay in writing, we will fill orders sent, and will give as many as the money sent will pay for. Prices may be lower or higher.

	Quart.	Peck.	Bush.
Yellow Onion Seed or Bottom Sets.....	\$0 15	\$0 75	\$2 50
White Onion Seed or Bottom Sets.....	20	1 00	3 50
Shallots or Yellow Multipliers.....	15	75	2 50
White Multipliers.....	20	1 00	3 50
Egyptian or Perennial Tree Onion Sets.....	15	50	1 50

If Onion Sets are wanted to be sent by mail, 10 cents per quart or pound must be added to prepay postage.

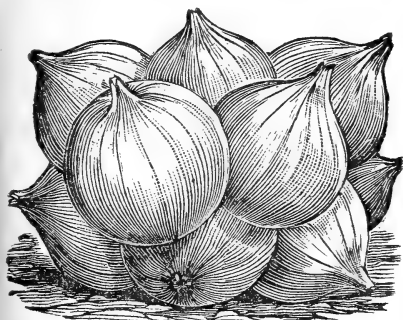
Bottom Sets and Potato Onions are sold by measure; White Multipliers, Button and Egyptian by weight, 28 pounds for a bushel.

**We sell full-sized packets. No half sizes to be had. Send us your order.**





Shallots or Yellow Multipliers.



White Multipliers.

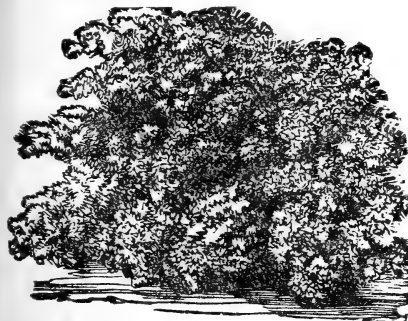
ling Onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market from three to four weeks ahead of other Onion Sets. See price list, page 36.

☞ We are headquarters for Onion Sets and sell cheap by the peck, bushel or barrel. We will quote special prices on large lots.

## PARSLEY.

**CULTURE.**—Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in Spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. For winter use protect in a frame or light cellar, or a few plants may be placed in pots or boxes and kept in the house for convenient use during the winter.

**Extra Double Curled.** A curled variety for garnishing. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1b. 50c.



Moss Curled Parsley.

**Champion Moss Curled.** Leaves crimped and curled like a bed of moss, giving a most beautiful decorative appearance. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 75c.

**Plain or Single.** Dark green with plain leaves; very hardy. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1b. 50c.

**Hamburg, or Turnip-Rooted.** A very popular variety in Europe. Fine, fleshy vegetable roots which are used in soups, etc. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1b. 50c.

## PARSNIPS.

**CULTURE.**—Sow as early in Spring as weather will admit. Cultivate similar to carrots.

**Long Smooth White.** No side roots; tender and excellently flavored. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 40c.

**Large Improved Sugar or Hollow Crown.** The best variety in cultivation; roots long, white, smooth, tender, sugary; excellent flavor. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 40c.



Winter or Egyptian Tree.

**Winter, or Egyptian Tree.** When once set out they grow for years without any protection or care, except in keeping down the weeds. They start so early in the Spring that they are ready for use a long time before any other Onions can be had. Are mild flavored, sweet and tender. They form no large bulbs, but divide and grow as many as 15 or 20 small Onions in one bunch. Desirable for family use and very early and profitable for market gardeners.

**White Multipliers.** Are of a pure silvery white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted, of excellent quality and size for bunching green, or can be ripened for use as pick-

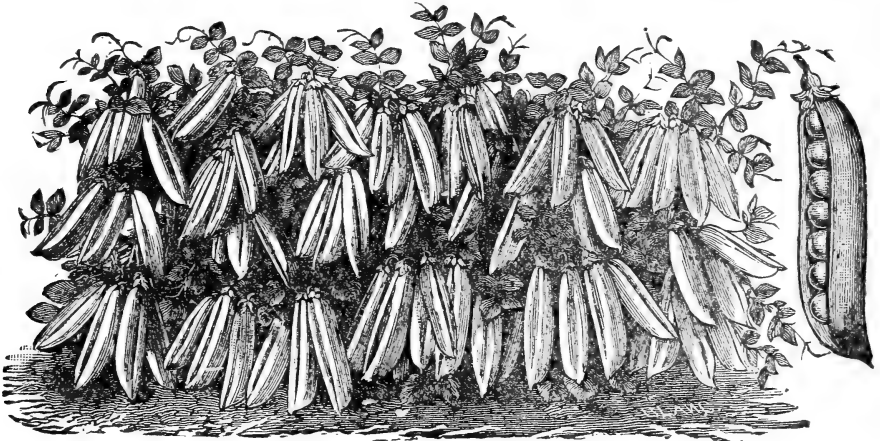




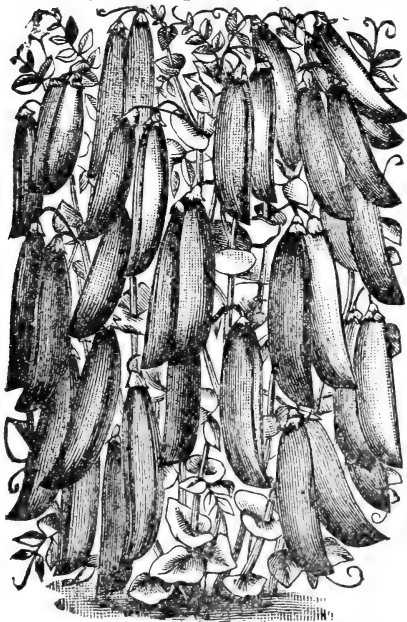
**EXTRA EARLY MARKET GARDEN PEAS.****The Pea crop a general failure, and prices higher.**

One pound will plant about 50 feet of drill, from one to two bushels per acre.

**CULTURE.**—The Pea comes earliest to maturity in light, rich soil. For general crops a deep loam or a soil strongly inclined to clay is the best; for early crops, mild manure, such as leaf mould, should be employed. Plant as early as the weather will permit, in well-prepared soil, and cover about two or three inches deep. Sow three feet apart for early kinds, and four feet for late. For a continuous supply, sow from early in April until the last of June; then discontinue until the middle of August, when an early sort will sometimes produce a good crop.

**PHILIPPS' EXTRA EARLY SUMMIT PEA.****The Earliest, Evenest Cropper, the Hardest, Finest Flavored and Most Productive.****Confidence well placed.**

**Philipps' Extra Early Summit Pea.** Most profitable Pea for Market Gardeners to grow. This Extra Early Summit Pea is a careful selection of our own and will be found ENTIRELY DISTINCT AND SUPERIOR to any other. In the neck-and-neck race for the production of first-class Peas (each seedsman naturally endeavoring to have the earliest), we claim that "The Summit" we introduced, and for us specially grown, is the EARLIEST, BEST AND MOST PRODUCTIVE white round pea grown, NONE AS EARLY, maturing all the pods in about forty-five days; height about two feet, and ninety-five per cent. of the gathering in one picking. Also for a late fall crop it is unsurpassed, growing with great rapidity. The very best for market garden use, and we confidently recommend it in every garden for the EARLIEST CROP.  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75; bushel \$6.50.

**Carter's Extra Early Premium Gem.**

Very early and productive. Height 15 inches. Highly recommended. Try it.  $\frac{1}{2}$  pint 10c; pint 15c; quart 30c; peck \$2.00; bushel \$7.00.

**Extra Early Alaska.** This beautiful blue market Pea has become a standard variety, and the earliest of all blue Peas. The vines are dwarf, growing only about twenty inches high—very uniform, maturing the crop for one picking—of excellent quality, fine flavor, sweet, and retains its desirable color after cooking. Excellent for canning and for the market or private garden. Pkt. 5c; pint 15c; quart 25c; peck \$1.50; bushel \$5.50.

**Landreth's Extra Early Pea.** (None genuine unless in red-sealed bags or in our packages.) Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75; bushel \$6.50.

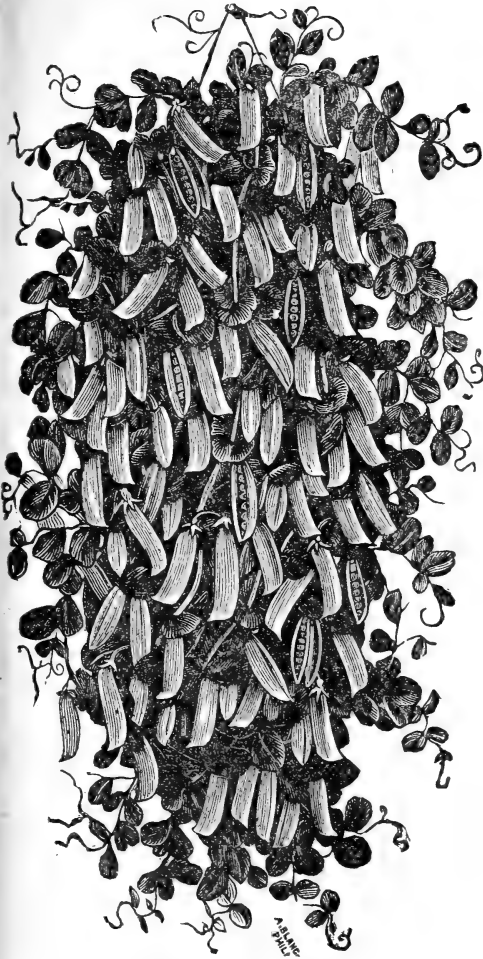
**Rural New Yorker.** This well-known standard variety of extra early Pea is still the favorite of many for market and private garden. Seed white, slightly dented, of vigorous habit. Pods of fine shape, contain from six to nine peas of fine quality—prolific, extra early, uniform in growth and ripening—height 24 inches. Pkt. 5c; pint 15c; quart 25c; peck \$1.50; bushel \$5.00.

**Nott's Excelsior.** Extra early. A cross between American Wonder and Advancer; grows one foot high, very hardy and vigorous; can be planted with perfect safety in early Spring with any smooth varieties, and will mature almost as soon, while the quality is far superior; pods very large and well filled with tender and fine flavored peas. Early, hardy, productive, extra fine; ready for table in forty-five days. Earlier by several days than Little Gem—a fine bearer—earliest wrinkled Pea. Pkt. 5c; pint 15c; quart 30c; peck \$2.00; bushel \$7.50.

**Bliss' American Wonder.** The earliest of the wrinkled peas, and best for family use. Very dwarf, nine inches high, and remarkably productive, well filled pods, flavor unsurpassed. We heartily recommend this valuable Pea. Pkt. 5c; pint 15c; quart 30c; peck \$2.00; bushel \$7.00.

**McLean's Little Gem.** Seed green, wrinkled. Height 15 inches. Second early. Very prolific and excellent flavor. Especially recommended for family garden. Pkt. 5c; pint 15c; quart 25c; peck \$2.00; bushel \$7.00.

**Carter's Extra Early Premium Gem.** Pods long and of a dark green color. A type of and improvement on the Little Gem. Pkt. 5c; pint 15c; quart 25c; peck \$2.00; bushel \$7.00.

**Bliss' Ever Bearing.**

**The Heroine.** This is one of the mammoth-podded, English-bred varieties, of elegant habit of growth, luxuriant foliage, pods remarkably handsome, slightly curved, well filled with large, luscious peas of fine flavor, a gem of the first water. It is similar to *Pride of the Market* but far superior to that variety in habit as it is remarkably true and fixed in its habits of growth. This is one of the grandest Peas on the entire list, is now offered at a price that places it within the reach of all. It should be in every garden. Height two feet, seed green and very much wrinkled. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50; bu. \$5.50.

**Carter's Telephone.** Season midway between *First in Market* and *Marrowfat*. Green, wrinkled, height  $3\frac{1}{2}$  feet—enormously productive—pods unusually large, elegant shape and well filled with peas of large size and good quality. Average 18 pods to the stalk. Pkt. 5c;  $\frac{1}{2}$  pint 15c; quart 25c; peck \$1.50; bu. \$6.00.

**Dwarf White Marrowfat.** A sturdy variety, prolific and of good quality—vines thirty inches high, foliage strong and dark, maturing about seventy days after germination. Pkt. 5c; pint 10c; quart 15c; peck 75c; bu. \$3.00.

**Black-Eyed Marrowfat.** This is extensively grown as a garden and field Pea—very productive—height about  $3\frac{1}{2}$  feet, with large and well filled pods—a popular market variety. Pkt. 5c; pint 10c; quart 15c; peck 75c; bu. \$3.00.

**White Marrowfat.** Tall. A favorite variety for market, canning and field cultivation—very large, broad pods, well filled, height four feet. Pkt. 5c; pint 10c; quart 15c; peck 75c; bu. \$3.00.

### EDIBLE PODDED OR MELTING SUGAR SORTS.

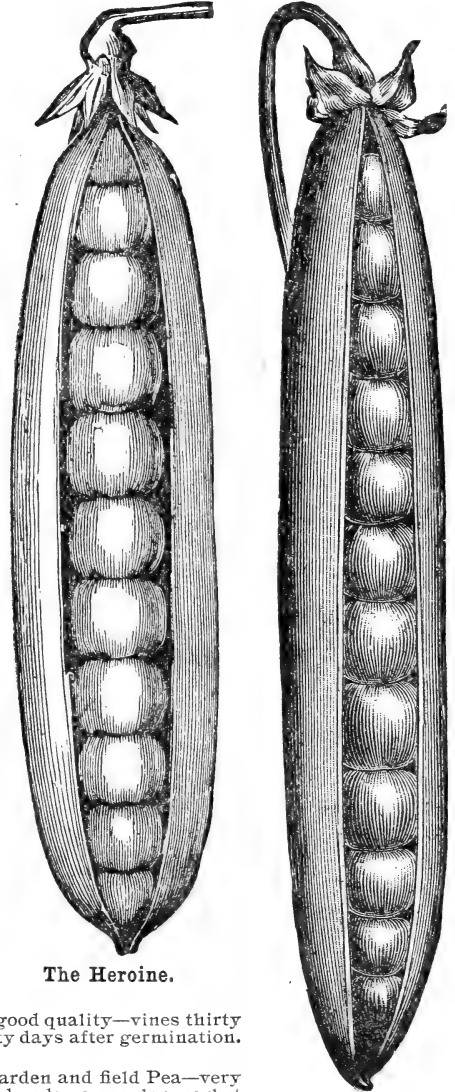
**Tall and Dwarf Sugar.** Edible pods. About two feet in height, very sweet and tender. Only to be eaten with pods. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75.

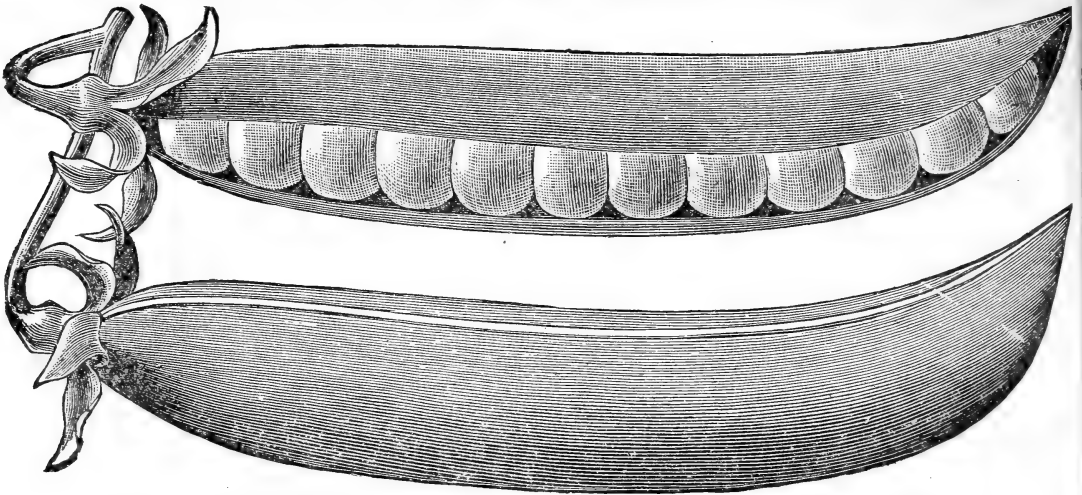
**Dwarf Grey Sugar.** Edible pods. Grows about two feet high and is remarkable for its earliness as well as its character. The seeds are large, shriveled and of dark brown color. The pods are broad, flat and crooked, and contain five or six peas. Pkt. 5c;  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.75.

**Bliss' Ever Bearing.** The great value of this variety is found in its long-continued bearing. Pods three to four inches long, well filled. Peas very large, half an inch and over in diameter. Unsurpassed in sweetness and flavor. Two feet high. Try it.  $\frac{1}{2}$  pint 10c; pint 15c; quart 25c; peck \$1.50; bu. \$5.00.

**Stratagem.** (Wrinkled.) One of the finest second early Peas grown. The strong, sturdy vine is literally covered with immense pods. Many of the pods measure nearly  $5\frac{1}{2}$  inches in length, and contain as high as ten large, fine flavored wrinkled peas of excellent flavor, very sweet. Two feet high. Pkt. 5c; pint 15c; quart 25c; peck \$1.50; bu. \$6.00.

The Wrinkled Peas should be sown thicker than the Round Peas and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas.

**The Heroine.****Telephone.**



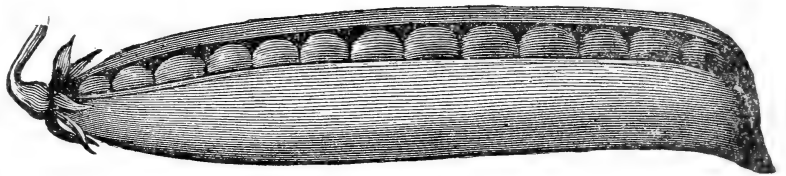
Gradus.

**Gradus.** The most attractive novelty of recent years—large, handsome pods, resembling Telephone in size and shape, well filled with large peas, ripening with the earliest, is certain to be eagerly sought. Ripening very quickly, the pods must be picked as soon as fit for the table. Habit vigorous, very quick to germinate and push to maturity—foliage large, pale green in color—pods long, straight, slightly rounded at the point, seed large, wrinkled, cream color, height 3 feet, Pkt. 10c; pint 25c; quart 50c; peck \$4.00; bushel \$15.00.

**Champion of England.** A variety possessing merit of high order, wrinkled and very sugary—requires sticking. Ripens for table in seventy days from germination. Pkt. 5c; ½ pint 10c; pint 15c; quart 25c; peck \$1.25; bushel \$4.50.

**Pride of the Market.**

Is a strong growing Pea two feet high, wonderfully productive. The pods are of large size and handsome appearance, and the Peas are of splendid quality. Similar to Stratagem and Telephone.



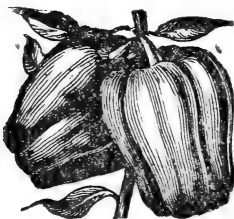
Pride of the Market.

Pkt. 5c; ½ pint 10c; pint 15c; quart 25c; peck \$1.50; bushel \$5.50.

## PEPPERS.

**CULTURE.**—Sow each kind in drills on a warm border, late in Spring or commencement of Summer, and thin to stand sixteen or eighteen inches apart—or they may be sown early in the season in a hotbed or flower-pot and transplanted.

**Mammoth Ruby King.** A very mild flavored variety which grows to a large size, often 5 or 6 inches long and 3 or 4 inches thick, of a bright ruby red color when ripe—fine for Mangoes. Plants are stocky and very prolific. Pkt. 5c; ½ oz. 15c; oz. 25c; 4 oz. 75c.



Golden Bell.



Ruby King.



Cayenne (Long).

**Golden Bell or Golden Dawn.** Similar to Sweet Spanish, except the color, which is golden. Very early, mild flavor. Pkt. 5c; ½ oz. 15c; oz. 25c; 4 oz. 75c.

**Red Cherry.** Ornamental pickles, very small, very hot. Pkt. 5c; ½ oz. 15c; oz. 25c; 4 oz. 75c.

**Large Bell or Bull Nose.** Earlier than other large size Peppers, thick meated, very mild flavor, excellent for stuffed pickles or Mangoes. Pkt. 5c; ½ oz. 15c; oz. 20c; 4 oz. 75c.

**Sweet Mountain or Mammoth.** Similar to the Bull Nose, but larger and milder in flavor. For stuffed pickles, "Mangoes," 6 to 7 inches. Pkt. 5c; ½ oz. 15c; oz. 20c; 4 oz. 75c.

**Long Red Cayenne.** Fruit long, slim and bright red color. Pkt. 5c; ½ oz. 15c; oz. 25c; 4 oz. 75c.

**Very Small Cayenne.** Bright red color, very hot. Pkt. 5c; ½ oz. 15c; oz. 25c; 4 oz. 75c.

**Pepper Plants.** Ready May 1st. By mail, doz 25c; 100, \$1.00. By express, 100, 75c.

# Price List of Choice Northern-Grown Seed Potatoes.

## CHANGE YOUR SEED.

### Growing Potatoes for Seed Has Been a Specialty With Us for Years.

In drills three feet apart, ten to twelve bushels to the acre. One peck will plant about 125 hills.

The Potato, like all robust growing vegetables, can be grown with varying success in soils of all kinds, and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to disease, and the flavor also is much inferior. In breaking up good pasture land the decaying sod answers sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the hills and plowed in—the latter in most cases being preferable. If the soil is good but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry or absorbent nature, as plaster, lime, superphosphate of lime and bone dust. For wet soils these are particularly beneficial, as they not only promote growth, but prevent disease. Plant as early in Spring as the ground can be had in fair working order, in hills or ridges three feet apart, covering in light, warm soils about four inches deep, but in cold, wet situations two and one-half or three inches will be sufficient.

By using our Northern-grown seed you are assured of **early maturity, increased yield and vigorous growth**. Our stock has been grown from selected seed and expressly for seed purposes. We book orders at any time, and fill them in rotation just as soon, in our judgment, as the weather will permit. However, we cannot become responsible for changes in the weather by which they may become damaged *en route*. We will ship at any time when requested to do so, regardless of the weather, but customers must take the risk. **Prices subject to variations of the market.**

**Special Prices** given on most kinds for large quantities, on application. When customers request it we will pack a barrel with two or three kinds without extra charge.

Our Potatoes are all specially raised for seed purposes, and are "Northern-grown" by us and for us in Michigan and around Toledo. We deliver all Potatoes into the hands of transportation companies, safely packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. In comparing our prices on Potatoes, remember we make no charges for barrels or cartage, but deliver F. O. B. at Toledo at prices quoted. Our barrels contain 165 lbs. net.

### PRICES GIVEN ARE SUBJECT TO VARIATIONS WITHOUT NOTICE.

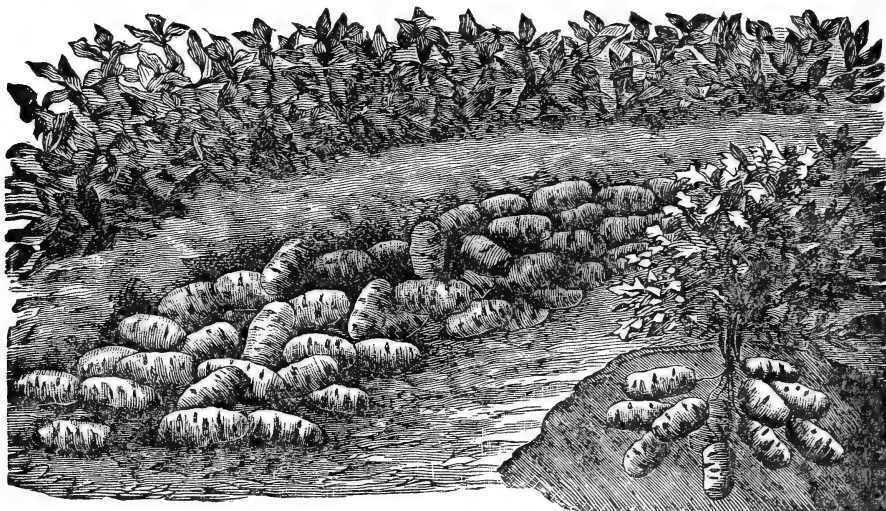
	½ Peck.	Peck.	Bushel.	Bbl.
<b>Early Toledo Market</b> .....	\$0 20	\$0 40	\$1 50	\$4 00
<b>Early Wonderful Freeman</b> (from original stock) .....	20	40	1 25	3 50
<b>Early Beauty of Hebron</b> (a beauty) .....	20	40	1 25	3 50
<b>Early Maine</b> .....	20	40	1 25	3 50
<b>Whiton's White Mammoth</b> .....	25	40	1 25	3 50
<b>Early Ohio</b> (pure) .....	20	40	1 50	4 00
<b>Early Rose</b> (medium early) .....	20	40	1 25	3 50
<b>Seneca Beauty</b> (medium late) .....	20	40	1 25	3 50
<b>Monroe Seedling</b> (late) .....	20	40	1 25	3 50
<b>Empire State</b> (late) .....	20	40	1 25	3 50
<b>Sir Walter Raleigh</b> .....	20	40	1 25	3 50
<b>Rural New Yorker, No. 2</b> (a very heavy cropper) .....	20	40	1 25	3 50
<b>Carman, No. 3</b> .....	20	40	1 25	3 50

Single pound 10c.; by mail 20c.; or 4 lbs. by mail 60c., of any of the above varieties.

These prices are binding only so long as our stock of any variety remains unsold. Potatoes grown in our section and Northern Michigan are far better for planting in the Middle, Southern and even Eastern States than the Western grown, in earliness, yield and quality, and should be preferred by all who grow for market or private garden.

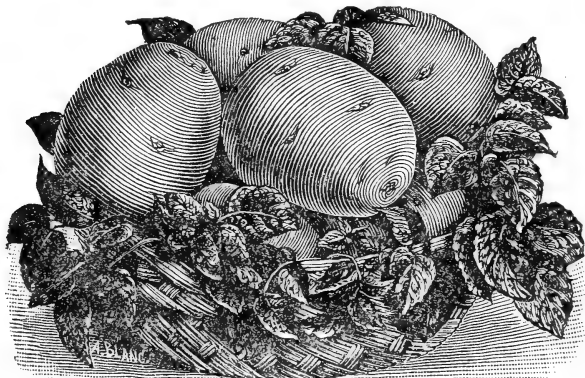
## TOLEDO'S EARLY POTATO.

GIVE THEM A TRIAL.



Toledo Early Market.

**Toledo Early Market.** Six Weeks' Potato. Especially recommended for early marketing. MARKET GARDENERS should try this Potato because it is extra early and of a fine quality, cooking well as soon as it attains marketable size. Tubers similar to Early Rose, large, light pink or flesh color. An immense yielder, flesh very white; cooks dry and mealy. Good keeper, being excellent till planting time. (See price list.)



Early Ohio.

**Improved Extra Early Ohio.** The earliest market potato, is well known and popular. The tubers are of good size, always cook dry and mealy, and can be eaten long before the tops die down. We have a large supply in store of first-class seed stock. (See price list.)

**Early Beauty of Hebron.** One of the best early sorts, productive and of excellent flavor, good keeper, pure white skin and flesh; a beauty. (See price list.)

**Early Maine.** This potato originated from seed ball of the Early Rose, resembles its parent in color, but nicer shaped and smoother, and far superior in productiveness and quality. Our stock is very choice. (See price list.)

**Early Rose.** Every cultivator of the Potato, both far and near, is familiar with the Early Rose. It was the pioneer of all the improved varieties, its highly extolled character has not depreciated. (See price list.)

**The Great Early Freeman Potato.** This extra early variety was introduced under the broad claims of being the greatest potato introduced since the Early Rose. It has made a wonderful record, giving enormous yields in all sections where grown. It has a handsome shape and beautiful russet skin, and is fully equal to the old Snowflake in eating qualities. It will pay every tiller of the soil to plant the Freeman. (See price list.)

**Empire State.** A main crop of oblong variety, wonderfully productive, does well on almost any soil. The skin is white and smooth, flesh pure white, of fine flavor. (See price list.)

**Monroe Seedling.** A very productive, vigorous grower, its large, long, smooth white tubers render it so valuable that it has become very popular. (See price list.)

**Seneca Beauty.** This is the best medium late Potato now on the market. The tubers are large and smooth with very few eyes close to the surface and of a beautiful pink color; uniform in size and shape. Is a big yielder, good cooker, ready seller. Where once tried will be wanted next season. (See price list.)

**Carman, No. 3.** This splendid Potato is without any approach to an exception, the greatest yielder ever introduced. It may be fairly claimed that it does not yield any small tubers at all. It bears its tubers very close to the plant, a single turn of the fork turning out every Potato. It is of the largest size and of the shapeliest form, almost similar to Carman, No. 1. It is a perfect keeper, that is, it will not sprout up to planting time, unless kept in a warm place. Both skin and flesh are of extreme whiteness. Eyes few and shallow. (See price list.)



## A SEEDLING OF THE PEACHBLOW.---TRY IT.

A Larger Yielder Than the Carman. Buy It.



**Whiton's White Mammoth.** Two years ago we purchased the entire crop of this great New Potato of Mr. Whiton, and now offer original stock direct from our growers at the extremely low price as named on page 41.

This Potato was grown from seed taken out of a ball grown on a Peachblow vine. This Potato has improved each year from seed, and we can refer to many leading agriculturists who have tried it and pronounce it a grand Potato in every way.

Solid built white tubers very thickly netted, a quick, strong grower, and keeps free from blight and bugs. Cooks dry and has a fine flavor. Is an immense yielder, grows compact in hill, which makes harvesting easy. We recommend every one of our customers to try this Potato, and know they will be pleased with it. Can be grown on any soil. (See price list.)

**Rural New Yorker, No. 2.** A splendid intermediate and main crop Potato, originated on the experiment grounds of the *Rural New Yorker*. It is most distinct in appearance, and could readily be distinguished among a hundred other varieties. Very large and unusually smooth, with few and shallow eyes, in form oblong, inclined to round, flesh white and of superior quality. The vines are very strong, and yield handsome tubers of great uniformity; wonderful cropper. (See price list.)

**Sir Walter Raleigh.** Introduced by Mr. Carman. Resembles Rural New Yorker, No. 2, of which it is a seedling, and is one of the **grandest** general crop Potatoes now offered. (See price list.)

## SEED SWEET POTATOES.

Grown especially for Seed purposes in this State and New Jersey, of the following varieties: Yellow Nansmond, Yellow Jersey. Per lb. 10c; bushel \$2.00; barrel \$4.00. Write for special prices for large quantities.

**Sweet Potato Plants.** Ready May 1st. We make a specialty of supplying first-class Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well rooted and hardy. Write if you want a large lot, as prices may be lower. Price, by mail, 100, 60c; by express, per 100, 30c; 1,000, \$2.50.

## PUMPKIN FOR TABLE AND FIELD.

**CULTURE.**—May be planted after first of May, among the Indian corn, or in the field or garden, in hills of eight or ten feet apart each way, four seeds in a hill.

**Large Sweet Cheese.** Excellent for cooking purposes, orange colored, flesh yellow and sweet, very productive, and excellent for pies, also stock. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c.

**Large Tours or Mammoth.** Grows to an immense size, often weighing over 200 pounds, very productive, for cattle and table, flesh bright yellow. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c.

**Cushaw.** Resembling the White Crookneck-Squash, flesh salmon yellow. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1b. 70c.

**Connecticut Field.** The common large yellow field Pumpkin, good for stock. Pint 15c; quart 25c; bushel \$4.00.

**Sugar.** This great pie Pumpkin is used exclusively in making the celebrated Yankee Pumpkin pies. Of fine, sugary flavor, fine grained. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1b. 60c.

## RADISH.

### American and French Grown Radishes for all the Year round.

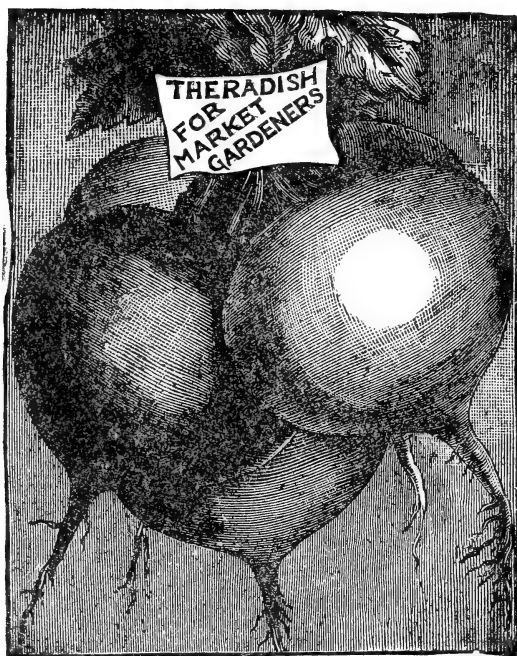
One Ounce will Sow 100 Feet of Drills; 8 to 10 lbs. for an Acre.

**CULTURE.**—All the varieties thrive best in light, sandy loam. For early use sow in hotbed, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp and tender.

### All Seed Saved from Selected and Transplanted Roots.

Special prices for those buying in larger lots. Five pounds of any variety at 10c. less per pound.

### EXTRA EARLY AND FORCING VARIETIES.



**Extra Early Deep Scarlet Prussian Globe Radish.**

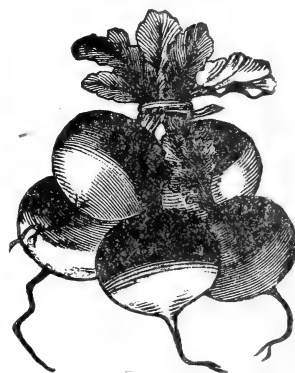
**Extra Early Scarlet Prussian or Vick's Globe.** Eighteen days to maturity. A small-leaved variety well adapted for forcing under glass, root round and carmine colored, early, very attractive and desirable, fine for forcing. A new color and very choice. Every gardener should have it. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 65c.

**Early Scarlet Forcing Turnip.** Quickest in maturity of any of the Red Turnip Radishes, crisp root and small top, an excellent forcing variety, as well as in private garden. Don't fail to try it. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 60c.

**Extra Early Scarlet Turnip, White Tipped.** A fancy French variety, scarlet bulb with white bottom. Very showy and delicate. Choice variety for forcing and open ground. Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 70c.

**Earliest White Turnip.** A remarkable early sort for forcing, very few and small leaves, crisp and delicate bulbs (new). Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 60c.

**Olive-Shaped Scarlet White-Tipped French Breakfast Radish.** A variety of quick growth. Very mild and tender, one of the best for forcing, oval form, scarlet, tipped with white. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.



**Early Scarlet White-Tipped Radish.**

**Half Long Deep Scarlet.** Matures in 24 days, is red, and grows from three to four inches. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 70c.

**Wood's Early Frame.** Shorter and thicker than the Long Scarlet Short Top. Best long Radish for forcing, also good for outdoor crop, either Spring or Fall, mild, brittle, of fine flavor. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

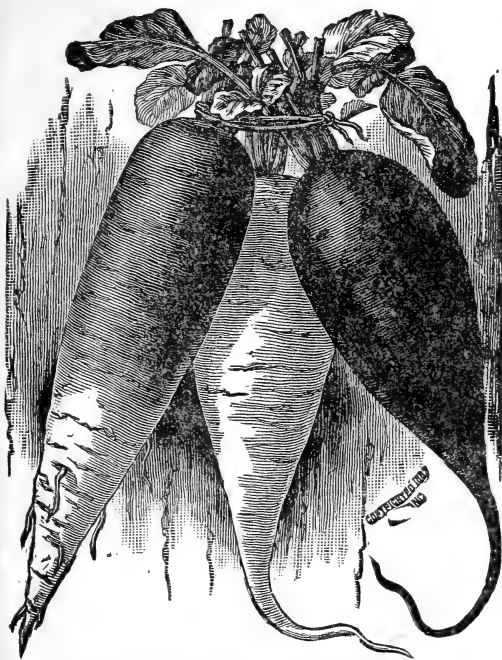
**Market Gardeners' Early Long Scarlet Short Top.** Brightest Scarlet. The well-known Long Red market variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c.

**"Cincinnati Market" Radish.** (The Best Long Red Radish in cultivation.) This wonderful new Radish has won special favor in all sections of the country, and sells more readily than any other variety that is put in competition with it on the market. The tops are very small, and the radishes may stand much closer in the rows than Wood's Early Frame and Long Scarlet without danger of running up to seed. They grow straight and smooth and from six to seven inches in length, the flesh is exceedingly tender, crisp and delicious, never becoming hollow and pithy, the skin is very thin and has an attractive, glossy, scarlet appearance. This is undoubtedly the finest Long Red Radish for every purpose, being equally desirable for the market or home garden. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

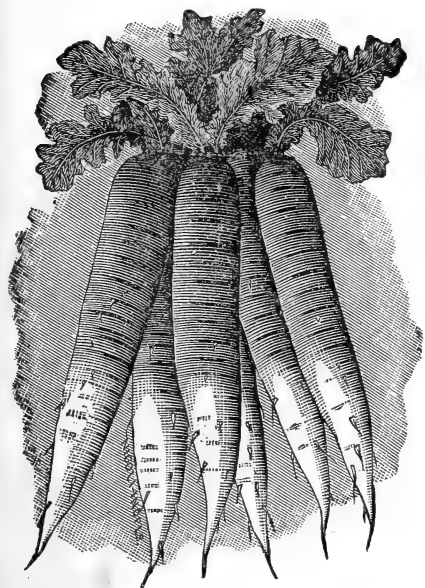
**Early White Giant Stuttgart Summer.** (Round.) A large grower, top-shaped and long keeper, all white, smooth, brittle, never pithy, second early. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Livingston's Pearl Forcing.** A cross between Wood's Early Frame and White Strasburg, making the best half long White Radish for Market Gardeners. Try it. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1b. 75c.

**White Lady Finger.** Twenty-four days to maturity, quick growing, long, slim, white, a great favorite, the only good long early white radish, very crisp and nutty. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 65c.



The Chartier, White Strasburg and Half Long Deep Scarlet.



Market Gardeners' Early Long Scarlet.

**Long Black Spanish.** Winter. Grows six to eight inches long and about one and one-half inches through the top, skin black, flesh white and of firm texture. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Round Black Spanish.** Winter. Like the above, except in shape. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Russian or California Mammoth White.** Grown extensively by Chinese in California, 8 to 10 inches long, 2 to 3 inches in diameter, white, solid, good flavor. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 70c.

**Golden Yellow Summer.** Expressly grown for us. The best Summer Radish. Shape globular, color amber, flavor mild, keeping long in eating condition. Withstanding heat well. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Long White Vienna.** Beautiful in shape, skin and flesh pure snow white, crisp and of rapid growth. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 70c.

**Early Golden Yellow Oval.** A comparatively new sort, very popular in the New York market. The roots are oval, very smooth and handsome, bright, light yellow color, and of fine quality. It matures very quickly and has a small top and neck. Our stock is grown from selected roots and is very fine. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 70c.

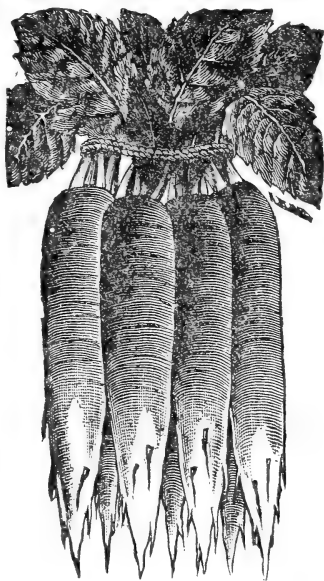
**White Strasburg.** It is of a tapering shape, skin and flesh both white. It is an excellent Summer variety, being tender, crisp and of fine flavor, and a quick grower. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 65c.

**Improved Chartier.** (Scarlet, white tip.) A distinct, exceedingly handsome and attractive sort. Color of the top is scarlet rose, shading into pure waxy-white at the tip. Attains a very large size before it becomes unfit for the table, undoubtedly the best All Seasons Radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top, and keeps

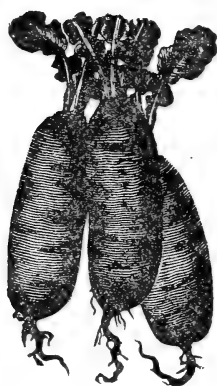
crisp and tender for two months. Planted late it makes a good winter keeper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

**Celestial.** A comparatively new variety, which is popular wherever known. The root is long, cylindrical, with beautiful white skin and flesh, so white as to attract attention even when among the other white varieties. The flesh is tender and of good quality. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1b. 75c.

**Long White Spanish.** Fall or Winter. A long Winter sort, very solid and crisp, long keeping. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 60c.

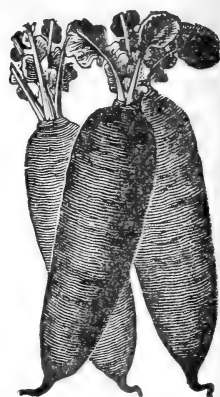


Improved Chartier.



Black Spanish.

**Rose or Scarlet China Winter.** A fine winter sort, root a half long stump of from three to four inches, scarlet and pink in color, tipped with white. Quite salable in market during Fall and Winter. Keeps perfectly. Paper 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 70c.



Rose or Scarlet China Winter.

Radishes are one of the most important vegetable crops for Market Gardeners and private garden. It depends a good deal upon the Seeds and soil and how to grow them. As to the first part we positively assure our friends that the Seed we offer is grown for us by the largest and the most reliable and best growers in France and this country, and we know and guarantee that our seed is equal to any offered by any first-class reliable seedsmen.

## HORSERADISH SETS.

**CULTURE.**—Plant at any time during Spring, in rows about two feet apart and about eighteen inches apart in the rows. By mail, per doz., 25c. By express, per 100, 75c; per 1,000, \$6.00.

## RHUBARB (PIE-PLANT).

One ounce will produce about 1,000 plants.

**CULTURE.**—Sow in April in drills one inch deep and one foot apart. When the plants are three or four inches high thin out to ten inches apart, and cultivate well during the season. In Fall or following Spring transplant into hills about three feet apart each way. The soil must be very deep and heavily manured. Give a top dressing of manure every Fall.

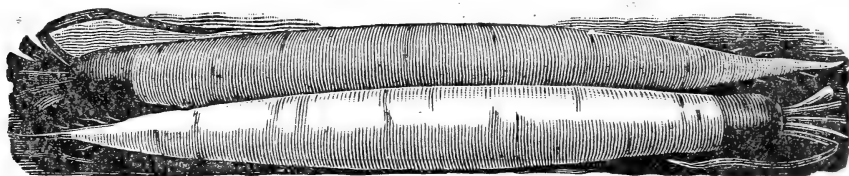
**Mammoth Victoria.** An excellent cooking variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1b. \$1.25.

**RHUBARB ROOTS**—Each, 20c; doz. \$1.50; 100, \$6.00. By mail, postpaid, 30c. each, or \$2.50 per dozen.

Special prices as to sizes, quality and quantities on application.

## SALSIFY (VEGETABLE OYSTERS).

When properly cooked it is a good substitute for Oysters in taste and flavor, and is very nutritious.



Sandwich Island Mammoth Salsify.

**CULTURE.**—Sow early in Spring in drills fifteen inches apart and one to two inches deep; thin to six inches apart. Soil should be deep and very mellow, in order that the long root may grow straight down. Store same as carrots for Winter use, or they can be left in the ground until Spring. One ounce of seed will sow fifty feet of drill.

**Mammoth Sandwich Island.** This variety is of enormous size, twice the size of the ordinary French, pure white, very tender and delicious. Invaluable for the market gardener and private garden. Pkt. 5c; oz. 10c; 4 oz. 35c; 1b. \$1.25.

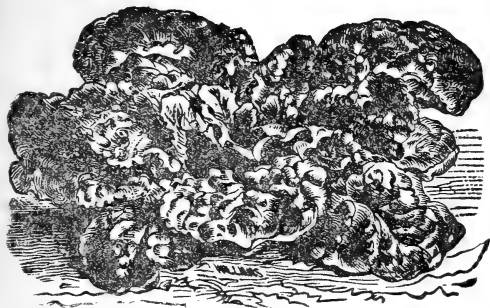
## SPINACH.

Ten to twelve pounds are required for an acre.

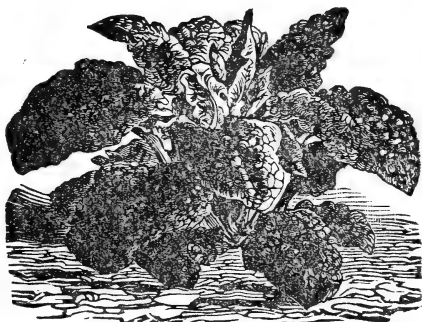
**Special Price in 5 and 10 pound lots.**

**CULTURE.**—For Spring use sow early in drills one foot apart, and every two weeks for succession. As it grows thin out for use, keeping it clear of weeds. For Fall use sow in August, for Winter use in September, in well manured ground, mulch with straw on the approach of severe cold weather.

SPINACH—Continued.



Extra Large Thick Round-Leaved Spinach.



New Long-Standing Spinach.

**Extra Large Thick Round-Leaved.** The Market Gardeners' favorite for Spring or Fall sowing. Very hardy and large cropper. Pkt. 5c; 2 oz. 10c; 4 oz. 15c; 1b. 25c.

**New Long-Standing.** Will stand an unusually long time before running to seed—in other respects it resembles the round-leaved closely. Pkt. 5c; 2 oz. 10c; 4 oz. 15c; 1b. 25c.

**Victoria.** (New.) A favorite with Market Gardeners. Broad dark green leaves, heavy foliage, tender and keeps in good condition the longest of all Spinach. Pkt. 5c; 2 oz. 10c; 4 oz. 15c; 1b. 30c.

**Curled-Leaved Savoy.** (NORFOLK BLOOMSDALE.) The earliest variety, upright growth, fine, large, tender savory leaves. Quick growth. Pkt. 5c; 2 oz. 10c; 4 oz. 15c; 1b. 25c.

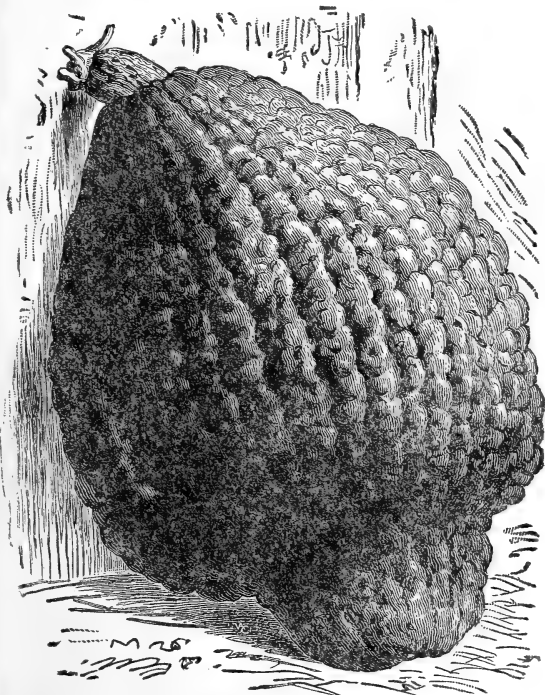
**Bloomdale Savoy-Leaved.** In 5 and 10 lb. sacks only, 25c. per lb.

SQUASH.—SELECTED SEED.

Special Price to Large Buyers.

**CULTURE.**—Plant after all danger from frost is past, and get in the Winter kinds as soon as possible, in order that they may mature. Plant in hills five feet apart for the bush varieties, and six or eight feet for the running varieties, putting six or eight seeds in the hill, finally leaving but three. One ounce of bush varieties for forty hills, or of large seeded running kinds, fifteen hills, three to four pounds for an acre.

**True Hubbard.** Generally considered the leading Squash for Fall and Winter use—good in any climate, hard skinned, splendid keeper—flesh dark yellow, fine grained, very dry and rich; very prolific. We offer a very carefully grown stock. Pkt. 5c; oz. 15c; 4 oz. 25c; 1b. 85c.



Toledo Wartyed Hubbard Squash.

**Toledo Wartyed Hubbard Squash.** For years it has been our aim to get an improved strain of Hubbard Squash. We finally succeeded, and now offer to our friends the Toledo Wartyed Squash (similar to the so-called Chicago), which we claim is the best strain in the market. A Hubbard Squash, large, blackish-green, hard as wood, with warty knots all over it, satisfies even the inexperienced observer that it is the best of its class. Rich in quality, a keeper and thick fleshed—such as will sell at sight. Our strain of the above will produce mainly the type shown in the accompanying cut, which we consider the ideal Hubbard for home or market. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1b. \$1.00.

**Mammoth White Bush Scallop.** An excellent large strain, earlier than the common stock, creamy white and average double in size; prolific bearer; a splendid variety for market, and the best of all for southern shippers. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 75c.

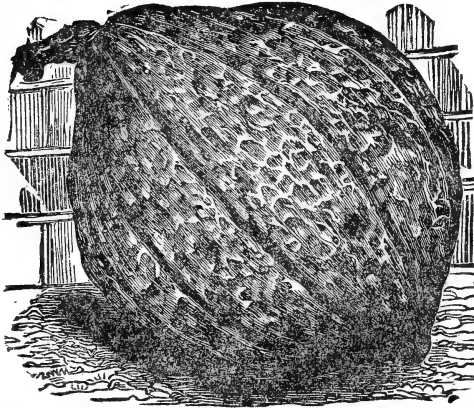
**Extra Large Golden Custard Bush Scallop.** Decidedly the best strain. It has been selected and grown for years until it has doubled in size, and at the same time lost none of its other good points, such as earliness, quality and productiveness. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 75c.

**Giant Summer Crookneck.** Double the size of the ordinary Crookneck and very warty, but similar in other respects. Their handsome appearance commands an extra price in the market. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 75c.

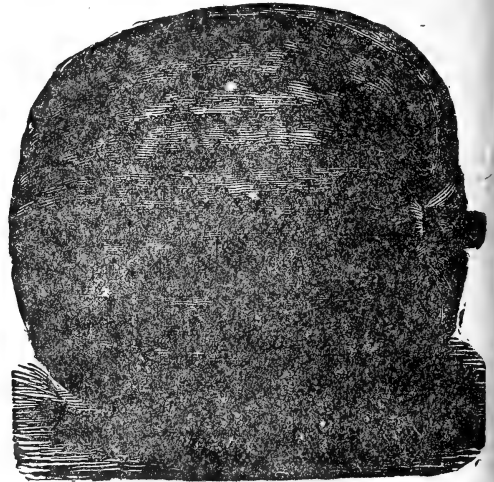


**Fordhook.** A most excellent new Squash, of handsome appearance, yellow outside and straw color within. The flesh is as dry as Pike's Peak and of the most delicious flavor. It ripens early, and is one of the best keepers we know of; it can be kept all through the winter until June. It is very prolific and bug and borer proof. We can highly recommend it to our customers. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

**Marblehead.** An excellent Winter Squash. Good keeper, dry and sweet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c.



**Boston Marrow Squash.**



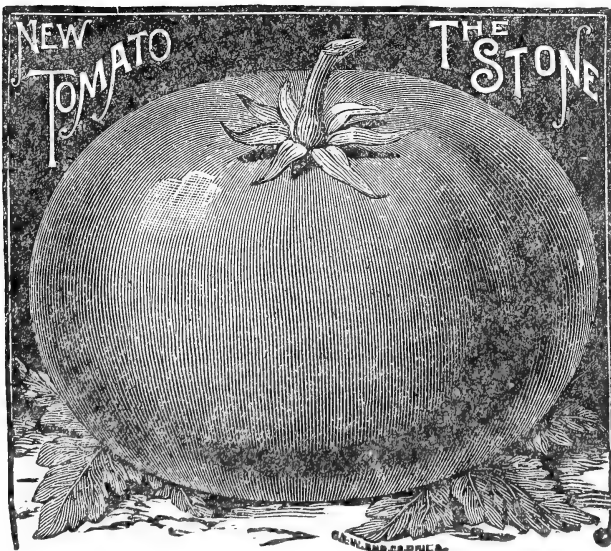
**Mammoth Chili Squash.**

**Boston Marrow.** Extensively grown and most profitable for Winter use and canning. Flesh orange, fine grained, splendid for pies and as a Winter keeper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1b. 50c; 5 lbs. and over 40c. per lb.

**Mammoth Chili.** True stock ("Jumbo"). The "big" exhibition Squash, the largest of all, often weighing over 200 lbs. There is a record of one Squash having been grown that weighed 292 pounds. The flesh is very thick and a rich yellow color, skin smooth and bright orange color. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. 80c.

## TOMATO SEED.

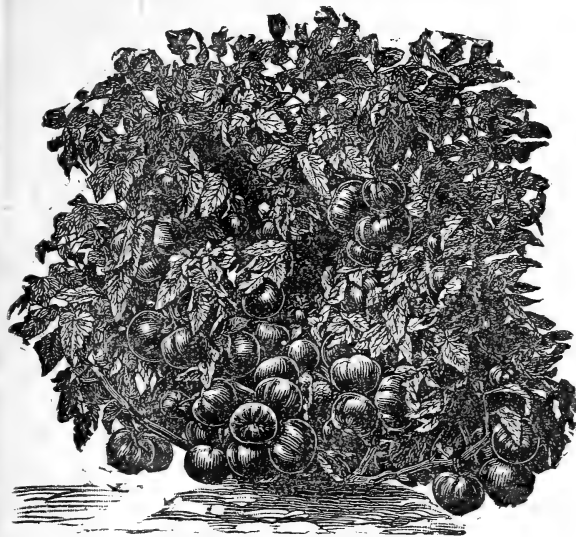
### NORTHERN-GROWN SELECTED.



**CULTURE.**—For early use sow in February, in boxes or pots, and place near a window or in a hotbed. When about two inches high, pick them out singly in small pots and nurse carefully in frames; when danger of frost is past, plant out in sheltered situation, where they may have full influence of the sun. To hasten maturity of the first fruit which sets, pinch off extremities of the tops. One ounce will produce about thirteen hundred plants.

**The New Stone Tomato.** This new Tomato has already been generally adopted by canners and market gardeners everywhere. Its solidity and carrying qualities are far in advance of any other sort now known; color rich red, shape perfectly smooth and thicker from stem to blossom end than most varieties, making it very desirable and salable. Very large in size and very heavy cropper. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**We have no old Seeds in our building whatever. All New stock.**



The New Dwarf Champion.

purple; growing in clusters. Solid, meaty, smooth, and free from rot or green core, a good sort for shipping on account of its solidity and toughness of skin. Certain to give satisfaction. Keeps well. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Perfection.** It is one of the earliest, ripening evenly, a good keeper, color blood red, almost round in shape, perfectly smooth and solid, having few seeds, very productive, good shipper. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**New Peach.** The most distinct Tomato ever introduced; the fruit resembles the peach in shape and color—which is deep rose and amber, the flavor is remarkably fruity and delicious. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.25.

**Golden Queen.** Specially recommended for canning, for eating raw, or slicing as a table fruit, somewhat resembles the Trophy in appearance. It will please you. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 65c; 1b. \$2.50.

**Royal Red.** Royal Red is a first-class main crop variety for the shipper, market and private gardener; of special value to the canner and catsup maker. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1b. \$2.00.

**New Buckeye State Tomato.** A fine new extra large sort, nearly one-half larger than the Beauty, deep color, heavy and of splendid quality. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; 1b. \$2.25.

**Yellow Plum or Pear.** A small yellow variety used for pickling. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c; 1b. \$2.50.

**Ponderosa.** In growing we have found it of immense size, solid, almost seedless, and of good sub-acid flavor. The single fruits were large, but somewhat scattered on the vine, and did not yield near so much as the Beauty and other varieties. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1b. \$3.50.

**Mansfield Extra Early Tree Tomato.** This variety has been originated by careful selections and special methods until it has attained the height of ten feet for the tree, and a weight for a single tomato of thirty ounces, and six inches in diameter, with testimonials of over sixty pounds of ripe fruit to a single tree, of a quality that surpasses all others. Fruit ripens from July 4th until frost; they are solid all the way through as a hard-boiled egg, and but few seeds in a tomato. Pkt. 10c;  $\frac{1}{2}$  oz. 15c; oz. 25c;  $\frac{1}{4}$  lb. 80c.

**Matchless.** This is a large-fruited cardinal red Tomato, ripening a few days earlier than the Stone. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**New Dwarf Champion.** In form and color the fruit closely resembles the Acme; it is always smooth, symmetrical and attractive in appearance, the skin is tough and the flesh solid, ripens well close round to the stem, and is not so much subject to crack as some other sorts. Pkt. 5c;  $\frac{1}{2}$  oz. 15c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1b. \$2.75.

**Selected Early Acme.** Ripens evenly, of medium, uniform size, round, very solid and of a pink purplish color, very productive, bearing until killed by frost. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**Early Favorite.** A large, smooth, perfect-shaped Tomato, of a dark red color, does not rot or crack, ripens early, very prolific, good flavor, flesh solid, has few seeds, very early, good shipper. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1b. \$1.75.

**New Beauty.** Well named. Fruit large and showy, color deep red, with a slight tone of

## PATENT TOMATO VINE SUPPORTS.

Price, each, 15 cents; dozen, \$1.50.

TOMATO PLANTS, ready May 1st. Strong transplanted plants. By mail, dozen, 25c; 100, \$1.00; by express, per 100, 75c; 1,000, \$5.00.

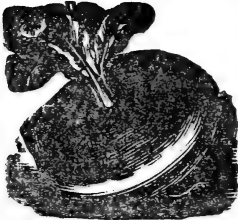
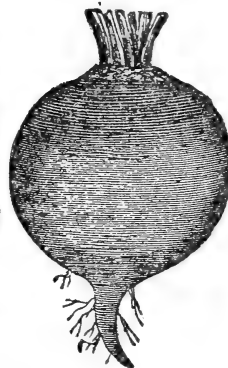
Send us a trial order. We know you will be pleased with your bargain.

See page 72 for Fertilizers.

See page 75 for Incubators.

See price list Planet Jr. Tools, page 88.

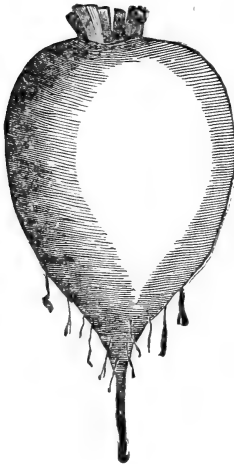
## LIST OF SELECTED TURNIPS AND RUTABAGAS.

**Extra Early Purple-Top Milan.****Early Red-Top Strap Leaf.****Amber Globe.****Large Early Purple-Top Globe.**

**CULTURE.**—For early Turnips sow as soon as ground opens in Spring, but the other kinds for Winter use may be sown from middle of July to end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of Rutabagas) by cultivating in drills 18 inches apart, and thinning to six inches in the drill. The Early White Egg is the Market Gardeners' Turnip. One and one-half pounds to the acre.

**Extra Early Milan.** A new early very white variety, with purple top and strap leaf. Mild and sweet, remains in good condition for a long time. Choice variety. and as such we recommend it. (Short crop.) Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 75c.

**Early Flat Red or Purple-Top.** (Strap-leaved.) The standard for this country. Superior for early or late planting. Round, flat, good sized, small top, with but few leaves, flesh very fine grained, flavor good. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 40c.

**Early White Egg.**

**Amber Globe.** This we recommend highly, and is almost indispensable in every rural household for its table use or stock. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Large Early Purple Top Globe.** Similar to above, except shape. This is the largest yielder of any Turnip on the list and very desirable for table or stock. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 40c.

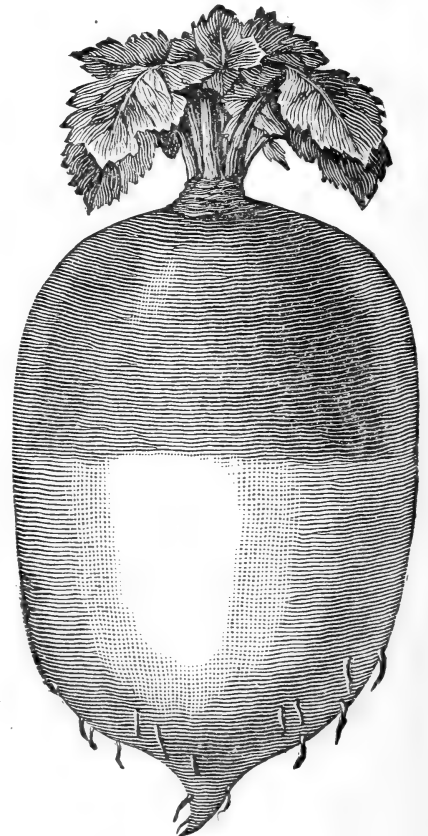
**Extra Early White Egg.** Very early and particularly desirable for the table, flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg-shaped. For Spring or Fall sowing. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

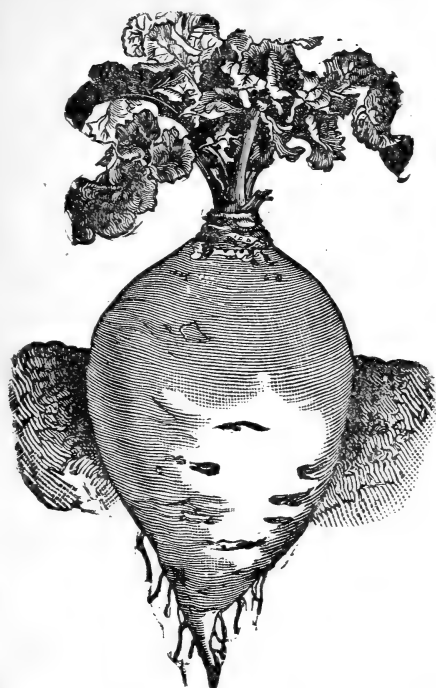
**Extra Early Dutch.** Rather flat, good white early sort. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**The Monarch Swede.** This new and distinct form of Rutabagas we believe by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark, red above ground and yellow below, flesh rich yellow, fine grained and best quality. For earliness, quality and weight, it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other Swede, while the large percentage of saccharine matter contained in the root makes it very palatable and nutritious to stock fed on it. Monarch Swede is of handsome shape and distinct appearance. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Improved American Purple-Top Rutabaga.** The leading variety and largely grown for stock as well as family use, hardy, productive, solid, sweet. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Champion Swede or Yellow Rutabaga.** (Imported.) A superior English grown Rutabaga, the best to be had abroad. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 40c.

**The Monarch Swede.**



Sweet German.

**Sweet German.** This variety partakes largely of the nature of the Rutabaga, and should be sown a month earlier than the flat Turnips. The flesh is white, hard, firm and sweet; good for Winter and Spring use. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Yellow Aberdeen or Scotch Yellow.** This is highly approved as a market and cattle Turnip, attaining a large size. It is solid, nutritious, a good keeper, and is in every respect splendid for table use. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Early Snowball.** Extra early. This is a small white globe, very quick, the earliest in maturity of its form and character. We highly recommend it for table purposes. Pkt. 5c; oz. 10c; 4 oz. 25c; 1b. 75c.

**Long Cowhorn.** Carrot-shaped, short, of delicate flavor for table. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 50c.

**Pomeranian White Globe.** (Strap-leaved.) This is a free-growing, rough-leaved sort, useful for both table and stock, and may be recommended for both purposes. Pkt. 5c; oz. 10c; 4 oz. 15c; 1b. 45c.

**Golden Ball.** A small yellow turnip of second size, early and a good keeper, very good for market and table. Pkt. 5c; oz. 10c; 1b. 45c.

## HEDGE SEED.

**CULTURE.**—Hedge Seed must be soaked in warm, not hot, water from five to ten days. Stir each day and change water, and when the seed begins to sprout, it is ready for planting. Plants should be transplanted before setting in hedge row.

**Osage Orange**.....40 cents per lb.

## SEEDS OF SWEET, POT AND MEDICINAL HERBS.

Aromatic Herbs are those which possess medicinal as well as culinary properties, and should be found in every garden. They impart a pleasant, spicy odor, and are quite savory to the taste. To secure the herbs for use cut them on a sunny day, and spread thinly in the shade to dry.



Sweet Basil.



Sage.



Sweet Marjoram.



Summer Savory.



French Thyme.

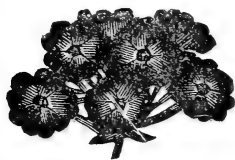
	Pkt.	Oz.
Anise ( <i>Anis</i> ); cordial flavoring.....	5	15
Balm ( <i>Melissa</i> ); medicinal use.....	5	35
Basil, Sweet ( <i>Basilicum</i> ); soups, sauces.....	5	25
Borage ( <i>Gerkenkraut</i> ); bee feed, salad.....	5	25
Caraway ( <i>Kuemmeh</i> ); grown for its seed.....	5	10
Catnip.....	5	35
Chervil ( <i>Kerbel</i> ).....	5	15
Coriander ( <i>Koriander</i> ); for confections.....	5	10
Dill ( <i>Dill</i> ); leaves for soups; seed flavoring.....	5	15
Fennel ( <i>Fenchel</i> ); used in fish sauces.....	5	15
Horehound (used medicinally).....	5	25

	Pkt.	Oz.
Lavender ( <i>Spiklavendel</i> ); medicinal use.....	5	25
Marjoram, Sweet ( <i>Marjoram</i> ); flavoring.....	5	25
Rosemary ( <i>Rosmarin</i> ); ornamental.....	5	40
Rue ( <i>Raute</i> ); for medicinal purposes.....	5	25
Sage ( <i>Salbei</i> ); for sausages and sauce.....	5	25
Saffron ( <i>Safran</i> ); medicine and dyeing.....	5	25
Summer Savory ( <i>Bohnenkraut</i> ).....	5	25
Winter Savory.....	10	50
Garden Sorrel ( <i>Sauerampfer</i> ).....	5	25
Sweet Thyme ( <i>Thymion</i> ); for seasoning.....	5	35
Wormwood ( <i>Wein. wh.</i> ).....	5	30

# POPULAR AND CHOICE FLOWER SEEDS.

Our Flower Seeds are the best that can be procured from the best growers in America and Europe. Our list comprises nearly all the varieties that can be successfully grown by the average cultivator, omitting such as require the skill of a veteran and special facilities. Cultural directions are printed on each package, together with a correct illustration in colors. The Seed we offer can be fully relied upon as fresh and pure. We have more and rare varieties not embraced in this list; if any others are wanted we are able to supply them. Send us your order for any others you may want, not mentioned in this list.

On all orders for Flower Seeds in packets, the purchaser may select twenty-five cents worth extra for each One Dollar sent us. Thus anyone sending \$1.00 can select seeds in packets amounting to \$1.25; for \$2.00 seeds in packets to the value of \$2.50.



**Abronia Umbellata.**  
Very pretty trailing plant.



**Acroclium (Everlasting).**



**Ageratum Mexicanum.**



**Alyssum, Sweet.**



**Amaranthus (Tricolor).**



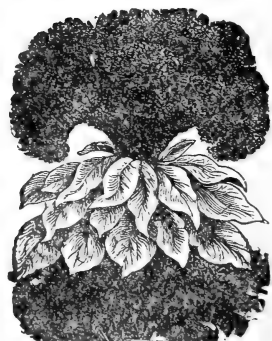
**Aster (Rose Flowered).**



**Balsams.**



**Candytuft.**



**Celosia.**

## Price per Pkt.

Abronia Umbellata, sweet-scented flowers.....	5c
Acroclium Rosum .....	5c
Ageratum Mexicanum .....	5c
Alyssum, Sweet Maritimum.....	5c

## Price per Pkt.

Amaranthus, Melancholicus Ruber.....	5c
Amaranthus, Tricolor .....	5c
Antirrhinum, Snap Dragon.....	5c





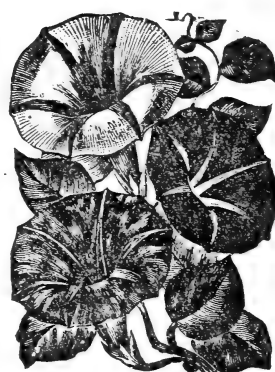
Chrysanthemum.



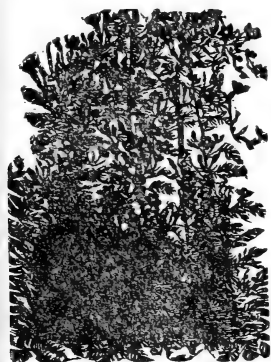
Clarkias.



Convolvulus Major.



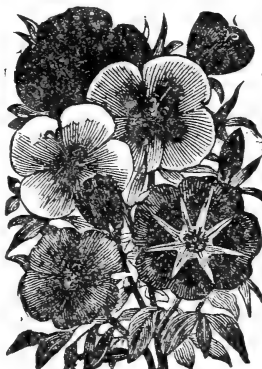
Convolvulus Minor.



Cypress Vine.



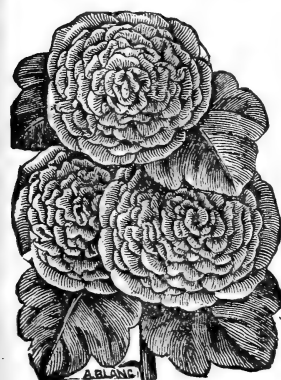
Dianthus Chinensis.



Godetias.



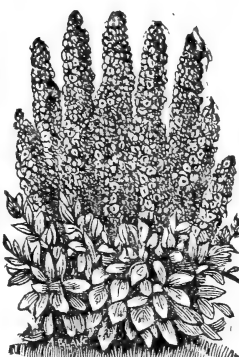
Helichrysum.



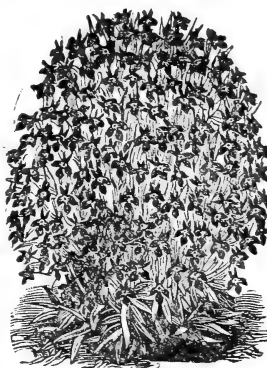
Hollyhock.



Ipomœa Bono Nox.



Larkspur.



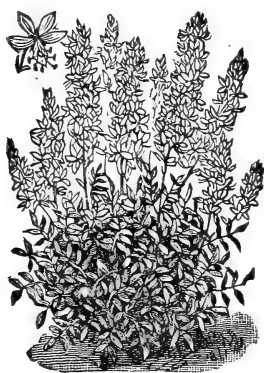
Lobelia. Blue Gem.

Price per Pkt.

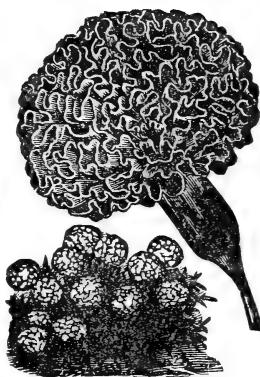
Antirrhinum, dwarf, mixed.....	5c
Aquilegia, Columbine, mixed.....	5c
Aster, German, mixed.....	5c
Aster, Peony-flowered and mixed.....	5c
Aster, Comet, white, pink and red, each.....	5c
Balsam, double white Impatiens.....	10c
Balsam, double crimson.....	5c
Balsam, double mixed.....	5c
Balsam, double Camelia-flowered, mixed.....	10c
Balloon Vine, a beautiful climber.....	10c
Clarkias.....	5c
Celosia Cristata, Cockscomb, mixed.....	5c
Carnation, Marguerite, mixed.....	10c
Candytuft, white.....	5c
Candytuft, dark crimson.....	5c
Candytuft, mixed.....	5c
Canna, mixed.....	5c
Canterbury Bells, mixed.....	5c
Canterbury Bells, double mixed.....	5c
Cobæa Scandens.....	5c

Price per Pkt.

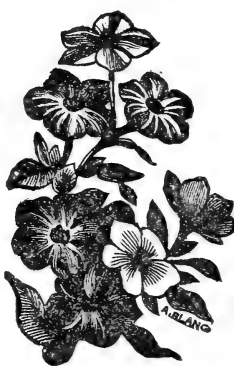
Cockscomb, Japan, mixed.....	5c
Cosmos, white, pink and mixed.....	5c
Convolvulus Major, mixed.....	5c
Convolvulus Minor.....	5c
Coreopsis, mixed.....	5c
Cypress Vine, mixed.....	5c
Chrysanthemum, double yellow.....	5c
Chrysanthemum, white.....	5c
Chrysanthemum, mixed.....	5c
Dianthus Chinensis.....	10c
Forget-Me-Not, mixed.....	5c
Godetias.....	5c
Gaillardia, mixed.....	5c
Globe Amaranth.....	5c
Helichrysum, double, mixed, tall and dwarf.....	5c
Heliotrope, mixed.....	5c
Hollyhock, double mixed.....	5c
Hyacinth Bean.....	5c
Job's Tears ( <i>Coix Lacryma</i> ).....	5c
Larkspur, Tall Rocket, double, fine mixed.....	5c



Lupinus.



Marigold El Dorado.



Marvel of Peru.



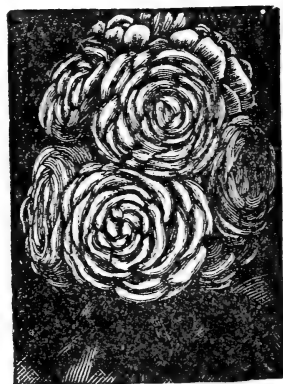
Mignonette.



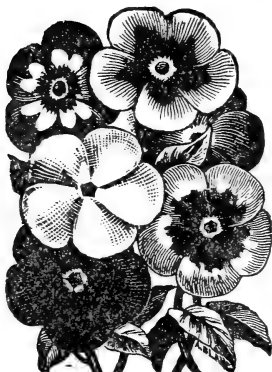
Pansy, Perfection.



Petunia (Grandiflora Marginata).



Stocks (Snowflake).



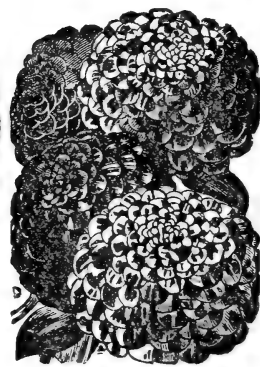
Phlox Drummondii.



Portulaca, Double.



Verbena, Mammoth.



Zinnias (Zebra).

## Price per Pkt.

Larkspur, Dwarf Rocket, double, fine mixed.....	5c
Larkspur, branching, double, fine mixed.....	5c
Lathyrus Latifolius—Everlasting Pea.....	10c
Lobelia Graciosa, blue.....	5c
Lobelia Speciosa, Crystal Palace.....	10c
Lupinus, mixed, new, tall, annual.....	5c
Mimulus Moschatus, Musk plant.....	5c
Maurandia, small climber.....	5c
Marigold, African.....	5c
Marigold, French.....	5c
Marvel of Peru, Four O'clock.....	5c
Mignonette, Sweet.....	5c
Mignonette, large flowering.....	5c
Moon Flower.....	5c
Morning Glory, Brazilian.....	10c
Morning Glory, Japanese.....	10c
Nigella, Love-in-a-Mist.....	5c
Pansy, Imperial, German, mixed.....	5c
Pansy, mixed English.....	10c
Petunias, choice mixed.....	5c

## Price per Pkt.

Petunia, new double fringed.....	25c
Phlox Drummondii, mixed or separate color.....	5c
Phlox, large flowering.....	10c
Poppy, double, mixed.....	5c
Portulaca, mixed.....	5c
Portulaca, double, mixed.....	10c
Portulaca, single, mixed.....	5c
Primula Chinensis, fine mixed.....	10c
Ricinus Zanzibarensis, mixed.....	5c
Scabiosa, mixed, Mourning Bride.....	5c
Sensitive Plant.....	5c
Stocks, ten weeks, mixed.....	10c
Stocks, large flowering.....	10c
Sweet William, mixed.....	5c
Thunbergia, mixed.....	5c
Verbena, mixed hybrid, new choice varieties.....	10c
Verbena, good mixed varieties.....	5c
Violets, mixed.....	10c
Wall Flower.....	5c
Zinnia, double, mixed.....	5c

## Roses and Fruit Plants.

We catalogue a line of choice tested novelties in **ROSES** and **PLANTS**, guaranteed true to name, and do not think plants their equal can be had of any other seedsman at less price.

**OUR ROSES** are selected with the utmost care, and our list comprises none but the very best sorts obtainable. Why not order of us at once?

**PLANTS BY MAIL.** Many of our customers who order Seeds and Plants at the same time, early in the season and not wanting the plants, can have them held here until planting time, and we will exercise our best judgment as to when and how to send them, so that they will arrive in first-class condition.

**WE GUARANTEE ALL PLANTS** to arrive safely to any Postoffice in the United States, and to be alive and in good condition for growing. Any complaints must be made within ten days after receipt of plants, but we cannot be held responsible for plants dying afterwards from neglect or other causes.



**Dorothy Perkins.**

Foliage, deep rich green, and its natural habit is to trail flat along the ground, although it can be trained over arches and other supports. This Rose, like the other hardy memorial Roses here mentioned, is the best for planting in cemeteries. Price, each, 30c; 4 for \$1.00, postpaid.

**Double White Memorial Rose (Manda's Triumph).** A new Hybrid Wichuriana of remarkable beauty. The flowers are medium size, perfectly double to the center, pure white and very fragrant.

**South Orange Perfection** belongs to the same class as the above; blooms freely in clusters. Color, rosy blush, changing to white; the flowers are perfect rosettes in form, very pretty and entirely distinct from all others.

**Double Pink Memorial Rose (Universal Favorite).** Same as the Double White, except in color, which is clear bright pink; equally as beautiful as the Double White, and a charming companion for it.

**Pink Roamer.** A more rampant grower than the others, and seems to combine the beauty of the Sweet Briar with the Wichuriana. The flowers are single, and from two to three inches in diameter; rich pink, with silver white center and orange-red stamens; exceedingly fragrant and picturesque. Price of each of the last four Memorial Roses, 15c. each, or one each of the four sorts for 50c.

## SIX HARDY CLIMBING ROSES.

Climbing Roses can be enjoyed everywhere, and the following varieties endure the most trying zero weather and are covered with a mass of bloom in the Spring:

**Baltimore Belle.** Produces very double flowers in large clusters. Color, pale blush, shading to rose color. Price, 15c. each; 3 for 35c; 6 for 65c; 12 for \$1.25.

**Greville or Seven Sisters.** Flowers are produced in large clusters. They vary in color from white to crimson. Price, 15c. each; 3 for 35c; 6 for 65c; 12 for \$1.25.

**Queen of the Prairies.** Clear, bright pink; sometimes with a white stripe. Very double, full, and bloom in clusters. Price, 15c. each; 3 for 35c; 6 for 65c; 12 for \$1.25.

**Russell's Cottage.** Dark velvety crimson; very double, full and a profuse bloomer. Price, 15c. each; 3 for 35c; 6 for 65c; 12 for \$1.25.

**Tennessee Belle.** A strong, vigorous climber and free bloomer. Bright rosy blush; large, full and fragrant. One of the very best. Price, 15c. each; 3 for 35c; 6 for 65c; 12 for \$1.25.

**Mary Washington.** A hardy, perpetual blooming climber. The flowers are pure white, perfectly double to center, sweet and borne in endless numbers all Summer. The most valuable Rose for outdoor culture. We have the genuine stock to offer at the following prices: 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

## FIVE NEW JAPANESE RAMBLER ROSES.

**Helene.** This is a Rose novelty that we can strongly recommend. It originated with a German rosarian who claims it to be an improvement in many ways over its wonderful parent the Crimson Rambler. It is of very robust growth, throwing up canes 10 to 15 feet high in a single season. Foliage thick, leathery texture and glossy appearance, and is less subject to mildew than the Crimson Rambler, and withstands the northern winters better. Flowers, pure soft violet rose, almost bluish; base of petals yellowish and borne in clusters of 25 to 50. Try it. Price, 25c. each; 3 for 60c; 6 for \$1.00; 12 for \$1.75.

**New Crimson Rambler.** This splendid Rose is now well known and brings big prices to florists everywhere. Produces 25 to 30 flowers in a cluster, entirely covering the plant from the ground to the top with a mass of bright glowing crimson. Price, 20c. each; 3 for 40c; 6 for 75c; 12 for \$1.25.

**New Yellow Rambler.** An absolutely hardy yellow climbing Rose. The flowers are of moderate size and last three or four weeks without fading, and are frequently borne in clusters of from 130 to 150 flowers. Price, 20c. each; 3 for 50c; 6 for 75c; 12 for \$1.25.

**New Pink Rambler.** Color, a clear light red, with numerous golden antlers. A very profuse bloomer and vigorous grower. Price, 20c. each; 3 for 40c; 6 for 75c; 12 for \$1.25.

**New White Rambler.** Pure white, otherwise similar in every particular to Yellow Rambler. Price, 20c. each.

## LORD PENZANCES.

**Hardy New Hybrid Sweet Briars.** Foliage sweetly scented like the old-fashioned Sweet Briar Roses that grew in our grandmothers' gardens. We offer the best three kinds—*Red*, *Pink* and *White*. Price, 20c. each, or one each of the above for 50c.

## SEVEN GOOD ROSES OF SPECIAL MERIT.

**Caroline Marniesse.** This is a perpetual bloomer, even in a dry season when other so-called perpetual bloomers show scarcely any blossom. The purchaser of this variety may expect a continuous mass of bloom. They are perfectly hardy and produce medium size very double flowers, very sweetly scented. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**The Clio Rose.** Produces flowers of a beautiful flesh color, and has the most delicate texture and coloring imaginable. The plant is a hardy, vigorous grower and produces flowers in abundance, many being 6 inches in diameter. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Empress of China.** This is a new and valuable perpetual blooming climber. It commences flowering the first of May and except under some especially trying circumstances, such as long drouths, it will bloom repeatedly until late fall. Flowers are small, fragrant, delicate and waxy. Bud is a dark red, changing to a red or pink, like an apple blossom. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Helen Keller.** (*New*.) The plant is a vigorous grower and produces brilliant rose-colored flowers in great abundance from early spring until fall. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Mrs. Crawford.** (*New*.) Color is a deep rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Marchioness of Lorne.** (*New*.) Large, full, cup-shaped; buds long and handsome; rich shining rose color with vivid carmine; hardy, very fragrant. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Margaret Dickson.** A seedling; the flower is of magnificent form, very double and the color is a waxy white; petals are large shell-shaped and prettily curled back; very beautiful. Price, 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.40.

**Cumberland Belle.** New Climbing Moss Rose. The only climbing variety in existence. This is the forerunner of a new race of roses, a *grand true Climbing Moss Rose*. It is of American origin, having been found growing in a private garden in the historic Cumberland Valley—a sport from that pretty Moss Rose Princess Adelaide, itself a strong vigorous grower, which is wonderfully developed in the offspring, the original sport the first season having attained a height of over fifteen feet and had one hundred and eighteen buds and flowers on it at one time. The past season, planted side by side with Crimson Rambler and other rampant growers, it fully equaled them in vigor of growth. In color it is identical to the parent, a bright silvery rose, very double, the buds nicely mossed and exquisitely fragrant. Altogether a most unique and desirable acquisition. Price, 25c. each; 3 for 60c; 6 for \$1.00.

## THREE MOSS ROSES.

The Moss Rose is a strong, vigorous grower, perfectly hardy and therefore justly esteemed as very desirable for outdoor culture in open ground.

**Blanche Morreau.** Is pure white, large and full buds, very mossy and handsome; one of the few Moss Roses that bloom repeatedly throughout the season. Price, 20c. each; 3 for 50c; 6 for 75c; 12 for \$1.40.

**Crimson Globe.** A beautiful dark crimson. The open flowers have a fine round form. Buds are mossy and handsome. A strong and vigorous bloomer. Price, 20c. each; 3 for 50c; 6 for 75c; 12 for \$1.40.

**Princess Adelaide.** Light rose pink of good size; the bush is very hardy, reaching a height of 6 to 8 feet. Especially well adapted to forming a hedge, and a more beautiful one cannot be imagined. Price, 20c. each; 3 for 50c; 6 for 75c; 12 for \$1.40.

## EVER-BLOOMING BEDDING ROSES.

### (TEAS AND HYBRID TEAS.)

These are most popular for bedding; bloom when very small, and, if well cared for, flower continuously during the whole season. Price, 25c. each; 3 for 35c; 6 for 60c; 12 for \$1.00. We offer the following varieties:

**Augustine Guinoiseau** (White La France). Is fully described in calling it very pale, satiny La France. It is first-class.

## EVER-BLOOMING BEDDING ROSES—Continued.

- Agrippina.** Deep crimson; good bedder. The best in its class.
- Duchess of Albany** (Red La France). Similar to La France, but much darker. A leading forcing Rose in this country.
- Étoile de Lyon.** Deep yellow, double and very beautiful. A good bedder.
- Hermosa.** Bright rose, medium or small; hardy. It is continually in bloom; not full; very popular.
- Kaiserin Augusta Victoria.** Pure white with yellow center. Very free. A most promising variety, having the form of C. Mermet.
- Mme. Angélique Veysses** (Striped La France). It promises extremely well. A nicely striped La France.
- Mme. Hoste.** Yellowish white, often canary yellow; base of petals often amber colored. One of the finest forcing varieties.
- Mme. Caroline Testout.** Flower large, double and globular; clear satiny rose, center brighter. Very fragrant.
- Marion Dinglee.** Deep carmine. Very fine bedder.
- Marie Guillot.** White, faintly tinged yellow. Large, full and of splendid form. One of the most beautiful.
- Mrs. Degraw.** Resembles Appoline, but more prolific. Glossy pink, fragrant and continuous bloomer. Fine bedder; hardy south of New York.
- Meteor.** Velvety crimson. The brightest and best of Hybrid Teas, without a purple tinge.
- Papa Gontier.** Very bright rose or red, large, not double; flower extra good. A first-class forcing variety.
- Perle des Jardins.** Canary yellow; large or very large, full, well formed, stiff stem; very free. The standard forcing Tea, by which all others are compared.
- Princess Bonnie.** Crimson, inside of petals faintly streaked white.
- Pink Soupert.** A superb new Tea Polyantha Rose. It is an offspring of Clothilde Soupert pink. The freedom of bloom is marvelous; throughout the entire growing season it produces cluster after cluster of finely formed buds and flowers. It is hardy with slight protection. For open ground planting, this variety is conceded to be the best of all Pink Roses. It suits everybody and is one of the most popular roses in cultivation.
- Safrano.** Saffron and apricot; yellow, large, semi-double, beautiful in bud; very free.
- Souv. de la Malmaison.** Flesh shaded fawn; large, very full, flat. A fine rose.
- Souv. de President Carnot.** Long bud of Niphetos shape; flesh color, shaded with rosy white at the edges of the petals. Seedling from Lady Mary Fitzwilliam.
- Moselia** (Yellow Soupert). It is remarkably free blooming, producing in continuous profusion throughout the growing season, clusters of 3 to 6 flowers, are exquisitely beautiful, very double and of graceful form; the buds are perfect in their shape, and as they open do not look unlike Camelia flowers; petals are tinted with white on yellow ground, which becomes golden in center of flower. Hardy with protection.

For prices see page 56.

## HYBRID PERPETUALS.

- Hybrid Perpetuals should be very extensively grown. They are best suited for garden culture in the North. All varieties given under this class are thoroughly hardy and suitable for planting in beds, borders or hedges. They furnish deep rich glowing colors, and are the finest of all roses for vases. Price of any of the following varieties 15c. each; 3 for 40c; 6 for 75c; 12 for \$1.25.
- Caprice.** The flowers are large, ground color soft satiny pink, distinctly striped and dashed with white and carmine. It is beautiful in the bud form, being quite long and pointed, showing the stripes and markings to great advantage, making it a valuable variety for cutting.
- Alfred Colomb.** Bright carmine crimson; very large, full and of fine globular form.
- Anne de Diesbach.** Bright rose color; very large and showy; particularly fine in bud; flowers slightly cupped. A vigorous grower; one of the best.
- Baron de Bonstetten.** Flowers large, very double and full; color a rich dark red, passing to a deep velvety maroon; highly scented.
- Coquette des Blanches.** A finely formed pure white rose, occasionally shows light flesh when first opening; beautiful shell-shaped petals, evenly arranged. Flowers of good size, perfect, fine form and finish. One of the finest and most beautiful of the White Hybrids. Very suitable for cemetery planting.
- Gen. Jacqueminot.** Brilliant crimson; very large, globular and excellent. A free bloomer, unsurpassed in its clear, rich crimson-scarlet color.
- Gen. Washington.** Perfectly double, large, fine form. Color, soft scarlet, sometimes a glowing crimson.
- Madame Plantier.** Pure white, a profuse bloomer; is well known and valuable; an "iron-clad" in hardiness; a splendid cemetery rose; unlike the other varieties it *should never be pruned*.
- Magna Charta.** A splendid sort; bright clear pink flushed with violet crimson; very sweet; flower extra large, fine form, very double and full. A free bloomer.
- Marshall P. Wilder.** Flowers very large, perfectly double and of good substance. Color, bright cherry red, shading to crimson. The plant is a clean, healthy grower and a very free bloomer.
- Mrs. J. H. Laing.** One of the finest roses of its class. It is very free flowering, commencing to bloom early in the season and continues to bloom freely until Autumn. Color, a soft, delicate pink, with a satin tinge; very fragrant.



## CLEMATIS.

There is no more ornamental class of plants than Clematis Flowers; large, measuring 4 to 6 and sometimes 8 inches in diameter. The rich bloom is truly magnificent.

**Jackmanni.** Purple, deep and velvety. The most popular and most commonly planted.

**Duchess of Edinburg.** Double and pure white.

**Henryii.** Has large white flowers; is very handsome.

**Madame Edward Andre.** This is a valuable new variety of a distinct new color. It is a fine bright crimson; the flowers are of good size and borne so profusely that it has been called "Crimson Jackmanni."

**Paniculata.** White, extremely rapid growth, with large, dark, shining green foliage and a profusion of small, fragrant flowers borne in large panicles. After flowering, the seed-pods assume a bronze tint, contrasting finely with the dark foliage.

**Ramona.** Lavender blue; flowers are very large, often nine inches across.

**Madame Baron Veillard.** Is light rose or pink; new and very distinct; strong grower.

Price, 20c. each; 3 for 50c; 6 for 80c; 12 for \$1.50. One each of the 7 varieties for \$1.00, postpaid.

## GRAPES.

Orders should be received by April 1st.

### RED GRAPES.

**Agawam.** Bunch large; berries round; dark red or maroon color. Vine very vigorous, hardy and productive.

**Brighton.** Is a vigorous grower; early; bunches large; of rich wine shade color; an excellent variety. Ripens a week to ten days before the Delaware. Delicate skin.

**Lindley.** Still holds its own as one of the finest grapes; bunches small; berries round; skin thin, light red; flesh very juicy, without any hard pulp and an exceedingly sweet, spicy and delicious flavor.

### WHITE GRAPES.

**Niagara.** Vine hardy; fruit large, mostly round, greenish white color.

**Pocklington.** Very hardy; called a White Grape, but the fruit is a light golden yellow.

**Moore's Diamond.** Color greenish white; berry about the size of Concord; one of the best.

### BLACK GRAPES.

**Concord.** Bunch and berries large, purplish black; medium early, ripening in September. Largely planted by all.

**Worden.** Large grape of the Concord type, but earlier, larger in bunch and berry; very popular.

**Moore's Early.** Fruit very large, blue-black and free from mildew and disease; a first-class sort.

Price of any of the varieties of Grapes, 15c. each by mail postpaid. By express or freight, not prepaid, \$1.00 per dozen; \$5.00 per hundred.

## THE RATHBUN BLACKBERRY

Is a new fruit that we offer with the utmost satisfaction, knowing that it cannot fail to delight and astonish all who plant it. It is admired by all who have seen it and no one has been able to discover a weak point about it.

A giant among its kind; fruit measured  $1\frac{3}{4}$  inches long and  $1\frac{1}{8}$  inches in diameter; 45 berries filled a quart box, while it took 164 berries of Snyder Blackberry to do it.

The Rathbun Blackberry has already become known and has established a high reputation, and the fruit

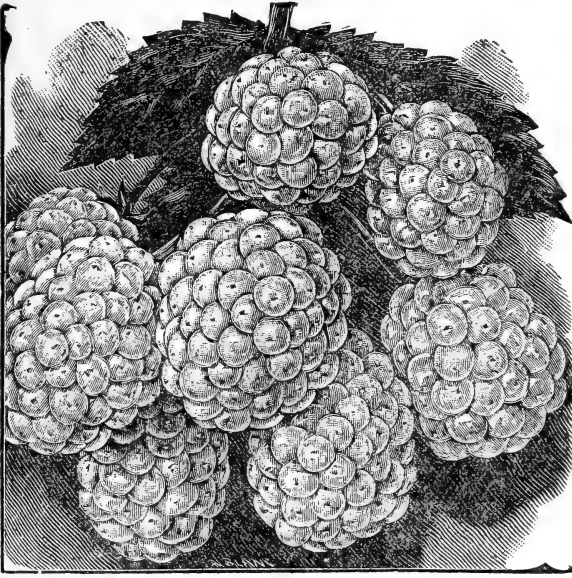


The Rathbun Blackberry.

This is a monster Blackberry and all our customers should send us an order. Choice plants at 20c. each; \$1.60 per dozen, by mail postpaid. By express or freight, not prepaid, \$5.00 per 100.

has brought a much higher price than any other blackberry of its kind at this time. The plant is a strong, erect grower, and, unlike most varieties, produces but few suckers. It is not a Dewberry nor is there the least evidence that there is a mixture of Dewberry in the plant, as no Dewberries were cultivated on the place or in the neighborhood where it was grown. The fruit in size and general appearance is well illustrated in the accompanying engraving. It grows on long stems in clusters, which enables it to be easily gathered. The berries are large and have no hard core; of the highest flavor. It has been sent a distance of some 36 miles by wagon and rail, going through in fine condition and selling in preference to the best other varieties in market and bringing a higher price.

## THE NEW WHITE BLACKBERRY (ICEBERG).



**The New White Blackberry (Iceberg).**

This is something entirely new in fruit, and we are sure that all our customers who plant the New White Blackberry (Iceberg) will be more than pleased. The following description is what the originator gives and he does not desire to mislead any one. He says: "Owing to the somewhat unsatisfactory qualities of white blackberries so far known, the impression may have been entertained by some that no white blackberry could be as productive and hardy, with berries as early, abundant, large and handsome as the best black ones. The well-known Lawton is when ripened unsurpassed and very generally known as the most productive market berry. One of the great grandparents of Iceberg was Lawton; the first generation of seedlings when crossed with Crystal White was all black; second, also, though very much different in other respects, but the third produced this wonderful plant, bearing the snowiest white berries ever seen. Very little attention was paid to the long rows of crossbred descendants, until one day this berry was discovered among its black relatives with the canes bending in various

directions with their load of delicious snowy berries, which are not only white but so transparent, the seeds, which are unusually small, may be seen in the berries when ripe. The clusters are larger than those of Lawton berries, as near as can be judged; they were at least as large, sweeter and more tender." Order a few plants and test them. Price, 20c. each; \$1.60 per dozen, by mail postpaid. By freight or express, not paid, \$6.00 per 100.

## NEW CUMBERLAND BLACK RASPBERRY.

This is the business black-cap; the largest black raspberry known; the fruit has sold for 10 cents per quart while the other varieties were selling from 5 to 7 cents. The Cumberland was placed upon the market after having been thoroughly tried for a long period of years. The Cumberland is perfectly hardy, it has undergone a temperature of 16 degrees below zero, unprotected, without injury, a temperature which badly crippled similarly situated plants of Gregg, Shaffer, Cuthbert, etc. It is very productive, producing regularly very large crops. In size the fruit is simply enormous, far surpassing any other variety. The berries run seven-eighths and fifteen-sixteenths of an inch in diameter. In quality it is similar and fully equal to the Gregg, which has always been considered the finest black-cap. The season of ripening varies in different latitudes, following Palmer and Tyler and preceding Gregg, and is what may be termed a mid-season variety.

Those who are fond of choice berries should order this new variety, and we can assure all will be pleased.

Price for good strong plants, 15 cents each; 12 for \$1.00, by mail postpaid. By express or freight, not prepaid, \$5.00 per 100.

## CURRENTS.

We offer the following varieties: **Victoria; Cherry; Fay's Prolific; North Star.** Price of good strong two-year-old plants, 15c. each, by mail postpaid. By express or freight, not prepaid, 75c. per dozen; \$3.50 per 100.

## GOOSEBERRIES.

**Downing; Haughton.** Each 15 cents, by mail postpaid. By freight or express, not prepaid, 75c. per dozen; \$6.00 per 100.

**Columbus; Industry or Red Jacket.** Each 10 cents, by mail prepaid. By freight or express, not prepaid, \$1.25 per dozen; \$10.00 per 100.

Every one of our customers should order a 25 cent package of our Hardy Sweet Peas, as described on inside front cover page of this catalogue.

These Sweet Peas are *perennial*, and where once planted will come up and blossom year after year without replanting. Buy a package.



## SWEET PEAS.

(*Lathyrus Odoratus*.)

These exceedingly beautiful and fragrant hardy annuals are now most popular.

**DIRECTIONS FOR CULTURE.**—Sweet Peas succeed best in a deep, rich soil. The most approved method of cultivation is to sow in a trench five or six inches deep, covering them at first with only ONE INCH of soil; then as the plants grow, fill in with dirt about them ONE INCH AT A TIME. After the plants are grown up they should be watered copiously, and bone meal worked into the soil about the roots is recommended. Proper trellis or other support should be provided.

The first sowing of Sweet Peas may be made very early in the Spring, as soon as the frost is out of the ground. For a succession some should be sown every few weeks afterwards. For Fall flowering, they may be sown as late as July. By cutting the flowers before they fade, thus preventing pods forming, the blossoms may be continued the whole season.

### Sweet Peas. Named Varieties.

**Apple Blossom.** Bright pink and blush; beautifully shaded.

**Blanche Ferry.** Large pink and white flowers; very early; free flowering.

**Boreatton.** Crimson purple; very dark large flower.

**Butterfly.** Plain gray, with distinct porcelain edge.

**Captain of the Blues.** Bright purple and pale blue.

**Cardinal.** Crimson-scarlet.

The above six varieties—price: Pkt. 5c; oz. 10c; 4 oz. 20c; 1b. 50c.

	Pkt.	Oz.	4 Oz.	1b.
<b>Blushing Beauty.</b> Soft pink, suffused with lilac; extra large.....	5	10	20	50
<b>Emily Henderson.</b> Splendid pure white; good for forcing.....	5	10	20	50
<b>Her Majesty.</b> Beautiful soft rosy pink; very large flowers.....	5	10	20	50
<b>Lady Penzance.</b> Beautiful pale but very bright rose; splendid form.....	5	10	20	50
<b>Monarch.</b> Bronze-crimson and blue; superb flowers.....	5	10	20	50
<b>Mrs. Gladstone.</b> Delicate soft pink, with rosy blush wings.....	5	10	20	50
<b>Painted Lady.</b> Rosy crimson and blush white.....	5	10	20	50
<b>Scarlet Invincible.</b> Flowers large, rich scarlet pink; blooms profusely.....	5	10	20	50
<b>Venus.</b> Salmon-buff; standards delicately shaded with rosy pink.....	5	10	20	50

### SWEET PEAS IN MIXTURE—By mail, postpaid.

**PHILIPPS' SPECIAL MIXTURE.**—Comprising the finest new and large flowering named varieties. Pkt. 5c; 2 oz. 10c; 4 oz. 15c; 1b. 45c.

**CHOICE STANDARD MIXED VARIETIES.**—6 pkts. for 25c; 14 pkts. for 50c; 30 pkts. for \$1.00.

**SPECIAL OFFER.**—Assorted named varieties. 6 pkts. for 25c; 14 pkts. for 50c; 30 pkts. \$1.00.

**CHOICE MIXED VARIETIES.**—7 pkts. for 25c; 16 pkts. for 50c; 35 pkts. for \$1.00.

## NEW AND RARE CANNAS.

**Chicago.** Nearly 4 feet. Grand vermilion scarlet; flowers very large and flat, petals broad and five in number, composing a magnificent flower in a very large truss; erect in growth; foliage bright green. Each, 10c.

**Flamingo.** Height 3½ feet; flowers 4 inches in diameter with almost flat face, forming a spike of glowing crimson color, once seen not soon to be forgotten; ever-blooming from beginning to end of season. Each, 10c.

**Souv. d'Antoine Crozy.** The very finest of all the gilt-edged varieties to date. Color—dazzling crimson scarlet, with broad-laced border of bright gold. It is a marvelously profuse bloomer. Height, 3 feet. Strong and free growing. Each, 10c; doz., 75c.

**Austria.** Flowers of immense size, many of them fully six inches across; the petals are very broad with slightly reflexed edges, resembling very closely some of the Orchid family. Plants set out early will before midsummer form clumps with from twenty to thirty strong stems, each stem surmounted by tall spikes of golden-yellow flowers standing upright like immense lilies. Each, 10c; doz., 75c.

## HARDY LILIES AND FLOWERING BULBS.

In their season, between October and January, we offer *Auratum*, *Candidum*, *Longiflorum*, *Speciosum Melpomene*, *Speciosum Rubrum*, *Speciosum Album* and *Lilium Harrisii* Bulbs. Also, *Hycinthis*, *Tulip*, *Crocus*, *Narcissus*, *Freesia* and *Chinese Sacred Lily* Bulbs, etc.

Write for Fall Bulb Circular and Price List.



Tuberose.

## NASTURTIIUMS.

### TALL OR CLIMBING NASTURTIIUMS.

Beautiful and luxuriant annual climbers, for trellises and arbors, of easiest culture, bearing their gorgeous flowers in profusion until killed by frost. Six to ten feet.

**King of the Blacks.** Deepest brown.

**King Theodore.** Velvety dark crimson; dark foliage.

**Tall Rose.** Brilliant.

Each of above, pkt. 5c; oz. 15c; 4 oz. 50c.

**Mixed.** All colors. Pkt. 5c; oz. 10c; 4 oz. 25c; 1 lb. 85c.

### DWARF OR TOM THUMB NASTURTIIUMS.

**Lady Bird.** A new and distinct sort, rich golden yellow, each petal barred with a broad vein of bright ruby crimson; very showy and charming.

**Ruby King.** Carmine; bronze-chocolate.

Each of above varieties, pkt. 5c; oz. 15c; 4 oz. 40c.

**Mixed.** All colors. Pkt. 5c; oz. 10c; 4 oz. 25c; 1 lb. 85c.

## SUMMER FLOWERING BULBS.

**Tuberose Bulbs.** We have our Tuberose Bulbs grown for us, and can offer you better quality and size bulbs than you can buy elsewhere.

**Dwarf Pearl Tuberose Bulbs.** 4 to 6 inch. Each, 5c; doz. 35c; 100, \$2.00.

**Caladium Esculentum** (Elephant Ear). One of the handsomest of the ornamental-leaved plants for a grand bed of foliage in the garden or on the lawn. Good bulbs each 5 to 15c; per dozen \$1.00 and \$1.50. If by mail, add 5c. each to prepay postage.

**Madeira Vine.** Roots. A beautiful climber, with thick, glossy, light green leaves, flowers pure white; rapid grower. Price, 5c each; 30c. per dozen.

**Double Dahlias.** Grandest Autumn flower we have. Large flowering or show Dahlias of all colors. Roots from 10c. to 25c; \$1.00 to \$2.00 per dozen.

**Gladiolus.** These fine Summer-blooming bulbs produce flowers of every shade of color, and some are marvels of beauty. Are easy of culture and their brilliant spikes make one of the most magnificent displays of the flower garden. By planting from May till June, a continuous succession of flowers will be secured.

GLADIOLUS.	Each.	Doz.	100.
All colors, mixed.....	3c	25c	\$1.50
White and light varieties.....	5c	50c	3.50
Striped and variegated varieties, mixed.....	5c	50c	3.50

GLADIOLUS.	Each.	Doz.	100.
Pink varieties.....	4c	40c	\$2.50
Red and scarlet varieties.....	3c	30c	1.75
Yellow varieties, mixed.....	5c	50c	4.00
Lemoine's Butterfly Gladiol, mxd.	4c	40c	2.25



Tuberous Begonia.



Gladiolus.

**New Tuberous-Rooted Begonias.** These vigorous bulbs are now the most popular plants for beds of Summer flowers, or as pot plants for the greenhouse, conservatory or sitting-room. Nothing can exceed the brilliancy of their colors, the delicacy of their tints, the richness of their waxy flowers, the gorgeousness of their effect in masses, or their graceful appearance in beds or borders. From the time the first blossom appears until all growth is stopped by frost, they are never out of bloom. (See cut.) We imported these bulbs direct from Belgium, and they are all sound, well matured and of large size. Price, Single Tuberous Begonias—finest mixture, large size bulbs—each 5c; per doz. 50c; per 100, \$4.00. The same in separate colors, viz.: Scarlet, Brilliant Red, Yellow and White, at 7c. each; 60c. per dozen. Double Mixture, 8c. each; 75c. per dozen.

# FIELD SEED DEPARTMENT.

Cotton bags extra 16 cents.

## CHOICE SPRING SEED BARLEY.

(48 lbs. to bushel.)

Quantity of seed sown per acre is about  $1\frac{1}{2}$  to 2 bushels.

**NOTE.**—This crop is receiving more attention in some sections of the country than formerly, and is now considered more profitable than the wheat crop. It brings a fair price on the market, and makes excellent feed for stock. The best soil for barley is a light friable loam, but it does well on most clay lands that receive good cultivation and are properly drained.

**Ohio Beardless Barley.** This beardless Barley is of recent introduction and we know will please our friends. Like other grain, large yields cannot be had each year, but on an average immense yields are reported to us. Cattle will leave green clover to feed on the straw. It is six rowed and of unusual length of head. Is earliest to ripen, therefore good for all sections. The straw is stiff and will stand up on any soil, and will produce 80 bushels and more to the acre. This is the only Barley fit to feed to stock. Every farmer should try it; it can be sown early; frost will not hurt it; weighs twice what oats does per bushel, so worth more to the farmer as a crop. Be sure to try it. Price, peck 40c; bushel \$1.25. In lots of ten bushels and over, special price.

**Manshury Barley** is one of the very best six rowed Barley grown; for malting it is the very best known; is early in ripening, which helps it to fill well, thus it always fills plump; six rowed has a strong upright straw that makes it easy to harvest; yields from 50 to 80 bushels per acre. Heads of this Barley are very long and contain 75 to 100 heavy kernels of grain. Peck 40c; bushel \$1.25. Special price for ten bushels and more.

**Scotch Golden Grain Barley.** Exceedingly handsome, two rowed, of very plump heavy grain, highly prized for its superior malting quality; very prolific. Always commands a high price. Peck 40c; bushel \$1.25. In lots of ten bushels and over, special price.

**Barley for Hens.** Price per bushel 75c.

## SEED BUCKWHEAT.

(50 lbs. to bushel.)

Sow from three pecks to a bushel to the acre.

**NOTE.**—Buckwheat thrives on comparatively poor land; can be planted so late as to prove a profitable second crop to follow early grass, peas, potatoes, etc. Good to plow under for green manure.

**Early Japanese.** Sown at the same time with Silver Hull, is about two weeks earlier. The kernels are twice the size of any other Buckwheat, of a rich dark brown color, and manufactures a superior flour. Peck 40c; bushel \$1.25.

**European Silver Hull Buckwheat.** Yields more and produces more flour than the common. Is longer in bloom than the ordinary sort. Husk is very thin, grain is rounder, of a beautiful light gray color. Peck 40c; bushel \$1.25.

**Common Gray.** The old well-known sort. Peck 30c; bushel \$1.00.

For large lots special prices on application.

## IMPROVED BROOM CORN.

48 lbs. to bushel. Sow from 10 to 12 quarts per acre.

**Improved Evergreen.** The Improved Evergreen Broom Corn grows about seven to nine feet high, stands up well, and is free from crooked brush. Its greatest value to growers is the fact that it will not get red in the field before it is cut, but is strictly a green variety of brush, and will always command highest price. Lb. 10c;  $\frac{1}{2}$  peck 35c; peck 60c; bushel \$2.00. (By mail postage extra 8c. per lb.)

**Early Dwarf or Mohawk.** Grows from three to five feet high and produces short fine brush, suitable for whisk brooms and brushes. Lb. 10c;  $\frac{1}{2}$  peck 35c; peck 60c; bushel \$2.00. (By mail postage extra 8c. per lb.)

## FODDER AND ENSILAGE CORN.

Good fodder and plenty of it, supplemented by a generous grain ration, is as essential as good cows in profitable dairying, and when well grown and properly cured is far better than average hay. To secure the full nutritive value of Corn Fodder, it should be planted in drills three feet apart, and at the rate of 12 to 16 quarts per acre.

**The Celebrated Red Cob Ensilage.** A southern type of large white Corn with deep red cob, strong, leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers we sell to every year. Price, shelled, peck 30c; bushel \$1.00; in bag of  $2\frac{1}{2}$  bushels, \$2.50.

## SWEET CORN FOR FODDER.

There is nothing better for green food, or for curing for winter than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Farmers in this section should raise more Sweet Corn as feed for young hogs, which is sure to give better results than feeding common field corn. Also excellent for soiling. Sow thickly in drills or broadcast, at the rate of two or three bushels per acre. Peck 40c; bushel \$1.50.



## Choice Selected Northern-Grown Seed Corn

The Seed we offer is grown for this purpose, carefully selected and shelled

We have for years made a careful study of the best varieties of Corn grown in the United States, and fully appreciating the great importance to the farmer of GOOD FIELD CROPS, especially Seed Corn, we hold that Corn grown in our section of the United States, just at the edge of Michigan, is far preferable for planting in the Eastern, Middle and Southern States, to the Western-grown. Corn grown in our section will mature sooner and make far better yield than the Western-grown. Our Seed Corn will do better in the West than their own to plant. We have given particular attention to this department of our business, and have made SELECTION AND IMPROVEMENT OF FARM SEEDS A SPECIALTY, exercising great care to secure the best varieties, thoroughly cleaned and of the best possible quality.

We make it an invariable rule to test our Seeds carefully before sending out, and our customers may depend on getting Seed Corn that will grow perfectly under favorable circumstances. A sample ear is put in each sack with all orders of one bushel and over when requested. Sample ears will be sent by mail to any address on receipt of twenty cents to cover postage.

At prices given we charge 16c. for cotton bags, and deliver free to any freight depot or express in Toledo.

**Ohio Early Gold Mine Corn.** IS THE BEST Yellow Corn that grows, also the easiest to husk and shell. It is early, ripening only a few days later than the Pride of the North; ears are of good size and symmetrical; color, a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint, grain is very deep, cob small, and therefore it dries out very quickly as soon as ripe. SEVENTY POUNDS OF EAR CORN MAKE SIXTY TO SIXTY-TWO POUNDS OF SHELLED CORN, and in hauling to market it weighs

out five bushels more to the wagon load than common varieties in the same size wagon. Price, peck 40c; bushel \$1.25.

**Longfellow Flint.** An 8-rowed Yellow Flint variety. Ears from 10 to 15 inches long (shape shown in illustration),  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches in diameter, well filled out to extreme end of cob. Cob small, kernel large and broad. Ear 20c; quart 20c; peck 50c; bushel \$1.25.

**Thoroughbred Rural Early Large White Flint Corn.** This Large Early White Flint Corn was introduced for the first time by the *Rural New Yorker*, and it

has proved itself to be the largest early Flint Corn in cultivation; a wonderful yielder, from 3 to 4 ears of 12 to 18 inches on one stalk, strong grower even on light soil. Quart 20c; peck 50c; bushel \$1.50.

**Extra Early King Phillip** (Improved Flint). This excellent red or variegated Flint Corn is so well known that it needs no special description. Quart 20c; peck 50c; bushel \$1.40.

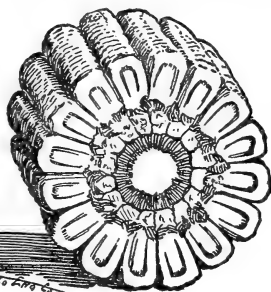
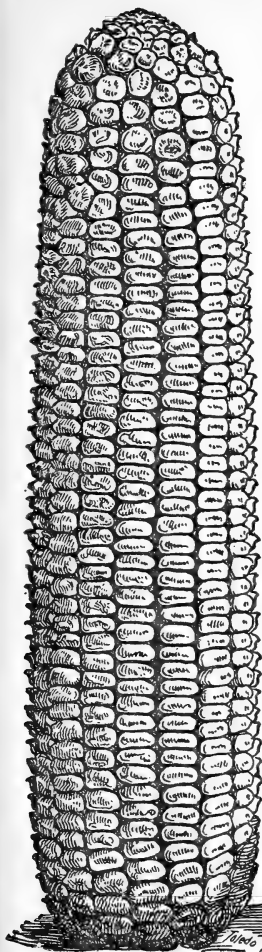
**Champion Early White Pearl.** An extra early pure white variety of the Dent Family, very productive and exceedingly heavy, maturing in eighty-five to ninety days from the time of planting. The grain is EXTRA DEEP and WIDE, two of which will more than span the cob, which is VERY SMALL. Quart 20c; peck 40c; bushel \$1.25.

**Improved Genuine Early Pride of the North.** A very early golden Dent variety, ripening with the Flint sorts, and can be successfully grown further North than any other variety of Dent Corn. Stalks small, with broad leaves. Ears short, 12 to 16 rowed, well filled. Grain long, yellow. Quart 20c; peck 40c; bushel \$1.25.

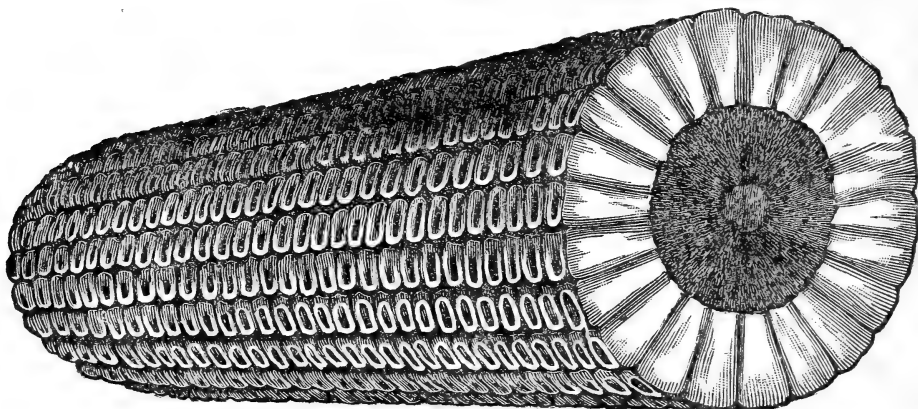
**Maumee Valley Extra Early Gilhouse.** A hybridized Yellow Dent and Flint Corn, a beautiful light yellow, kernels  $\frac{3}{8}$  of an inch broad, 8-rowed, grows of medium height, enormous yielder, 2 to 4 good-sized ears on stalk, the earliest of all the corn, will make a crop and ripen if planted as late as July 1st. The finest kind for meal and stock. By mail, ear 20c; quart 30c. By express, peck 50c; bushel \$1.50.

**New White Cap Early Yellow Dent Corn.** This new Corn has shown more fine and lasting points than any corn in cultivation. It has more solid merit than the Leaming Corn, for it grows larger ears and is a better sheller and from a week to ten days earlier, and on poor, thin soil will out-yield the Leaming by at least 30 per cent. The tip-ends of the grain are white, the inside yellow, making it a beautiful color, both on the cob and when shelled. Expert corn growers pronounce it a perfect field corn, as to yield, size of ears, color, size of cob and growth of fodder. More genuine testimonials can be procured in its favor than all other sorts combined. No corn in the world will yield as well on poor, thin land, and none stands the drouth as well, while on strong, rich land its yield is wonderful. Many of our customers reported to us immense yields, from 100 to 150 bushels per acre, and this on thin land and hardly any rain.

Longfellow Corn.



Large growers in the great corn belt, as well as those out of it, will be pleased with this Corn. Because, 1st—It is as natural a yielder as weeds. 2d—It will yield large crops on poor, thin soil. 3rd—The ears are large, handsome and well filled. 4th—It is sure to mature in 85 to 95 days. 5th—It husks easy and shells easily. 6th—It commands the highest market prices. 7th—It will grow more bushels on poor, thin land than any other kind in the world. 8th—Stands the drouth better than 60 other kinds grown in the same county. 9th—It has small cob and large number of rows on cob, making a wonderful yielder. 10th—It will out-shell and out-yield the Leaming Corn. 11th—It grows its fodder strong. 12th—It combines more genuine merit for all soils and climates than any corn in cultivation. 13th—It is sure to please all who give it a trial. We highly recommend this Corn to our friends, and hope they will give it a trial. Price per peck, 40c; bushel \$1.25.



Improved Leaming Corn.

**Improved Leaming Corn.** The True Improved Leaming Corn is a pure, fixed and distinct variety. It is not a hard, flinty corn, but sweet and nutritious, making excellent feed and the finest meal, its quality not being surpassed by any other known variety. The ears are large and handsome with very large deep grain of deep orange color and red cob. Produces two good ears to each stalk, and husks and shells easily; good producer. Price, quart 20c; peck 40c; bushel \$1.25.

**The Clarage Early Yellow Dent Corn.** This is an Early Yellow Dent Corn, and suitable, if necessary, for late planting. The Ohio State Board of Agriculture grew it on the grounds of the State Experimental Farm, and gave it in their report the highest recommend of all the early varieties of Yellow Dent Corn, in earliness, the number of bushels to the acre, average ears to each stalk, size of ears and least per cent. of nubs. It is of good bright color, ear very even in size its entire length, and kernels set square in rows; 14 to 18 rowed; it is a week earlier than any other Dent Corn, and large ears. We introduced this valuable variety of corn years ago, and must say that we never sold Seed Corn which gave such universal satisfaction, and have received many flattering testimonials. Several farmers have sold their crops of hundreds of bushels at double the price of corn, to their neighbors and dealers in other parts of the country. Quart 20c; peck 40c; bushel \$1.25.

**Extra Early Huron Dent Corn.** After a trial on a large scale, we have concluded that this is the earliest Dent Corn grown. Good size stalk and ear, small red cob, long deep grain, very rich in oil and starch, and is the only smooth very early Dent Corn known. Ears wonderfully perfect, grained even on both ends of cob, has quick, rank, strong growth, and is very productive; it heads the list of all extra early varieties. Our supply is genuine and from the originator's stock, strictly pure and carefully selected. Quart 20c; peck 40c; bushel \$1.25.

We are recleaners of all kinds of field seeds, having power cleaners operated by electric motor, and can therefore give you better and more even grades of field seeds than you will buy elsewhere. Commission houses do not, in all cases, reclean the seed they ship out, so it will pay you to order of us and get seed that is all of one grade. Give us a trial.

## FLAX SEED.

56 lbs. to bushel. Sow 1 to 1½ bu. per acre.

**Flax.** Extra cleaned for seeding. Lb. 6c; ½ peck 25c; peck 40c; bushel \$1.50.

## CHOICE SELECTED SEED OATS.

NORTHERN-GROWN CHOICE SEED.

We are not great believers in fancy Oats at extravagant prices, but we do believe an occasional change of seed is a paying investment, and that new hybrids have been introduced of great value. The stock we offer was especially grown for us for seed, and carefully recleaned by us, and who would not grow pure, reliable, choice, improved heavy oats, in preference to the light, mixed and chaffy kinds, that only yield half a crop of inferior quality.

**New White Superior Scotch Oats.** In limited amounts only. The heaviest Oats ever introduced in the United States. Very often weigh 50 lbs. to the measured bushel. They surpass all other White Oats in heavy weight, thin hull, shortness and plumpness of grain. Their strong straw adapts them to rich bottom ground where common Oats will fall down and waste, and are enormously productive, some reports being as high as 152 bushels per acre. We therefore recommend all progressive agriculturists to give them a trial and make Oats a paying crop. Price, peck 25c; bushel 85c; 5 bushels and upwards 75c. per bushel.

# THE IMPROVED AMERICAN BANNER OATS. 1902 CROP.



The Improved  
American Banner Oats.

We offer you carefully grown Seed, raised entirely from selected stock. The result of this care in selection is shown in the crop, which is the finest ever grown, and averaging upwards of 80 bushels to the acre. So that the seed now offered as The Improved Banner Oats is the very best, and everyone should renew their stock at once.

This wonderful grain stands the test even in the driest seasons, and to-day, after hundreds of trials in all parts of the country, its fame is higher and more secure than ever before. Reports from all sections indicate a satisfaction that is truly gratifying, but not more than was expected when it was first sent out. For it had been very thoroughly tried and proved to be the MOST PROLIFIC VARIETY OF OATS ON RECORD. One hundred bushels to the acre has been raised, and that certainly ought to satisfy the most exacting. On fields to which no fertilizer has been applied for two years, 70 bushels to the acre have been produced. This year all that has been claimed for it has again been realized, and so it stands to-day as the Improved Banner Oats of America. An average of eighty pounds has been raised from a single pound of seed—thirty pounds in excess of what was claimed for it when first introduced.

The grain is white, large and plump, ripens early, has a stiff straw of good length. It tethers freely and throws up a large number of stems, and therefore can be sown thinner than ordinary Oats. It is as near rust proof as any Oats can be. Everyone who raises Oats should try the variety. An Oat that will yield 60 to 80 bushels to the acre with ordinary culture is good enough to raise and good enough for everybody to make a trial of. On good soil and with good weather it will go far ahead.

Prices, postpaid, per pound 20c; 3 pounds 40c. By express or freight, at expense of purchaser, per peck 25c; per bushel 85c; 10 bushel lots 75c. per bushel. For larger quantities, special prices on application.

**Improved Black Tartarian.** These Oats were grown specially for seed from pure imported stock from Europe, which we have grown in sufficient quantity so that our customers can have a chance to try its merits. The grain is very large, shiny, plump and full, very thin hull, and it is exceedingly prolific, having yielded at the rate of 100 bushels to the acre with only ordinary cultivation, and has proved absolutely RUST PROOF where other varieties were destroyed by rust; weighing 48 pounds to the measured bushel. Peck 25c; per bushel 85c; 10 bushels and over 75c. a bushel. Larger lots special price. Samples mailed on application.

**The Famous Lincoln Oats.** We have had grown for us a very fine stock of these New Lincoln White Oats, introduced in the Western States with such grand results as to its wonderful productiveness, some reporting as high as 174 bushels from a single bushel of seed sown; claimed to have a remarkably stiff straw, standing up well on all kinds of soil; very early, and so far proven entirely rust proof; it is very valuable for seeding on account of its thin hull, heavy meat and soft nib. From what reports we have we think these oats ought to be grown by every progressive agriculturist, especially when the price we offer them at is so reasonable. Price, peck 25c; per bushel 85c; 10 bushels and over 75c. a bushel; large lots, special price.

Full weight and full size cotton bags for Barley and Oats, 16c. each.

## NEW SENSATION WHITE OATS.

These Oats are of our own raising and are about ten days earlier than the common oats. With short stiff straw that will not lodge or rust.

The grain is very heavy, an immense yielder, and an all-round good oat.

Peck.....	25 cents.
Bushel.....	85 "
Ten bushels and over.....	75 " per bushel.

## CANADA FIELD AND COW PEAS.


Sow from  $1\frac{1}{2}$  to 2 bushels per acre. Cotton bags 16 cents.

## Price Subject to Market.

**White and Blue Varieties.** They are used mostly for field culture. In their dry state they are used extensively for feeding pigeons, making soups, also table use; in their green state for turning in hogs.

**Canada Field Peas.** From one to two bushels, according to soil, are sufficient to sow per acre. Bushel \$1.75; peck 50c; quart 10c; pint 5c. Special price on 10 bushels or over.

**Cow Peas (Whip-poor-Will), and Other Varieties.** The best for soiling. Broadcast  $1\frac{1}{2}$  bushels per acre. Nothing better for stock of all kinds, green or dry state. Quart 15c; bushel \$2.00. Special prices for 10 bushels and larger orders.

 We sell car loads every season, and are headquarters for FIELD PEAS.

## RAPE SEED.

(Sow 6 lbs. per acre.)

**True Dwarf Essex English Rape Seed.** Mr. Owen, of Norwalk, a customer of ours, seeded  $\frac{3}{4}$  of an acre to Rape and pastured 60 hogs on it all season, and they grew fat. The hogs had access to this field at will, and at the end of the season the patch was still green. Think this over carefully and try it. Millions of acres of good land that annually lie idle or run to weeds in this country in the latter part of the season, after the grain, potato and hay crops have been harvested, might be made to produce one of the finest feeds imaginable, and in the greatest abundance, at a time when cattle and sheep are roaming through the pastures in search of a scanty living. Rape may be sown broadcast at the rate of six pounds per acre and harrowed in, or the land may be thoroughly harrowed and the seed sown in drills. Under favorable conditions it is ready for pasturing pigs, sheep and cattle within six weeks from the time of sowing, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. There are several varieties of Rape, but care should be taken to procure the genuine Dwarf Essex, which does not seed the same season as sown, and seed is larger than the common Rape and Mustard Seed usually used and sold for bird seed. Rape Seed can be sown and cultivated in the growing corn. Price, 1b. 10c; \$5. 0 per 100 lbs. Cotton bags, 16c.

## RYE.

(Sow from 1 to  $1\frac{1}{2}$  bushels per acre.)

Very little attention has been paid to fertilizing this crop until lately, but recent experiments have shown that it pays as well to feed the Rye crop liberally as almost any other. It is a good crop to grow for green manuring. We know of some farmers on clay lands who grow corn every year and keep up the fertility of the soil by using fertilizers and rye as a catch crop, which turned under in the Spring keeps plenty of humus in the soil and the land improving all the time.

**Mammoth White Rye.** For Fall seeding. Per peck 30c; bushel \$1.00.

## SPELTZ.

(Sow from 50 to 75 lbs. per acre.)

Introduced from Germany into this country several years ago, and from all reports will grow anywhere in the United States, and we can safely offer the seed to our customers as one of the grandest fodder crops grown. Speltz is an immense yielder and for fattening cattle and hogs has no equal, being better food than corn. Speltz should be sown early in the Spring, the same as Spring Barley and Spring Wheat, and enormous yields are assured. We offer Ohio-grown seed at the following rates, delivered f. o. b. cars or express here. Cotton bags extra 16 cents each. Pound, postpaid, 20 cents. By freight, 50 lbs. \$1.75; 100 lbs. \$3.00.

## SUGAR CANE SEED, SORGHUM, ETC.

Drill, 4 to 6 lbs. per acre; broadcast, 10 to 12 lbs.

**Early Amber.** This is a standard variety now being successfully grown even in the extreme northern latitudes. It may be planted as late as the 15th of June, and will be ripe enough to manufacture in September. It is the earliest variety with which we are acquainted. The beautiful amber-colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. It is useless to plant Cane Seed before the weather is warm in Spring. Our stock is choice. Price, 10c. per lb.; 10 lbs. 65c; 50 to 100 lbs. 5c. 1b.

**Early Orange.** Another favorite sort. Price, 10c. per lb.; 10 lbs. 65c; 50 to 100 lbs. 5c. 1b.

## SORGHUM OR SUGAR CANE FOR STOCK FODDER.

Sow different times up to July 15, at the rate of 20 lbs. per acre. Dairy men, and in fact every farmer, should grow it for horses, cattle and hogs, as they eagerly eat and relish it, and nothing pays better. Dairy men especially should grow this sugar cane seed, as it gives them the best green fodder just in time when pasture is dried up, and will produce more and better milk than any other forage plant, even clover. 8c. per lb.; 10 lbs. 50c; 20 lbs. 90c; 50 to 100 lbs. 4c. per lb.

## NON-SACCHARINE SORGHUMS.

5 to 6 pounds will plant an acre.

These varieties bear warm weather well. They grow on any land where corn will, even on land too poor for corn.

**Kaffir Corn or Sorghum.** Kaffir corn is now successfully cultivated for both forage and grain in all sections of the United States. It is the best general purpose plant of all the varieties of Sorghum yet offered, unless it be the new Jerusalem corn, and will make a paying crop on land that will not yield five bushels of Corn or Wheat. It is as early as Amber Cane. It will make a fine crop of forage if cut in early bloom, and the shoots that then follow will make a good second crop to feed green or dry for winter. Per lb. 10c; 10 lbs. 40c; 20 lbs. 60c; 50 to 100 lbs.  $2\frac{1}{2}$ c. per lb.

**The Jerusalem Corn.** A new forage and grain plant introduced in this country a few years ago, and the United States experimental stations recommend it very highly. Pkt. 10c; 1b. 20c; postpaid. Per express or freight, 10 lbs. 60c; 20 lbs. \$1.00.

Read Page 75 for Incubators.

## SUNFLOWER—MAMMOTH RUSSIAN.

**CULTURE.**—The Sunflower, during the past few years, has attracted considerable attention as a profitable field crop, its leaves being used for forage and its seed for poultry and the manufacture of oil. It is also planted with satisfactory results on low, swampy ground, to avoid miasma.

**Mammoth Russian.** Striped seed. Price per lb. 10c; 50 lbs. and upwards 6c. per lb. This is one of the best egg-producing foods known for poultry, keeping them in fine condition. Cotton bags, 16c.

## TOBACCO SEED.

**Connecticut Seed Leaf.** Best adapted to the climate of the Middle and Northern States, as it is more hardy and endures the cold better than the tender varieties. Pkt. 10; ounce 50c.

**Ohio Seed Leaf.** Pkt. 10c; ounce 50c.

**Imported Havana.** Pure Cuban grown seed, and when grown in this country commands a high price\* for cigar stock. Pkt. 10c; ounce 75c.

☞ When wanted we can furnish other varieties at low prices.

## VETCHES OR TARES.

Sow 30 lbs. per acre with  $\frac{1}{2}$  bushel grain to hold up.

Vetches or Tares are grown for a forage crop.

**The Hairy or Sand Vetch.** (VICIA VILLOSA.) Short crop and high this year. This has proved to be the most valuable of all Vetches. It succeeds on all soils and does not suffer from extreme drouth, heat or cold. Sown in Spring or Fall it quickly produces a most luxuriant growth. The vines are very similar to Pea vines, but more slender and much more thickly clad with leaves and side stems, so will furnish the very best of feed. From tests made by Ohio's Department of Agriculture, the Hairy or Sand Vetches do well and will remain green throughout all but the most severe winter weather. Try it. Price, 15c. lb not postpaid; \$10.00 per 100 lbs. by freight or express.

## SEED WHEAT.

Sow  $1\frac{1}{2}$  bushels per acre.

**NOTE.**—No matter how low prices may go, wheat will continue to be grown, for there is nothing else that will take its place in many crop rotations, especially where grass is to follow. It makes a sale crop, and the straw is indispensable about the barn if stock is to be kept comfortable and in a thriving condition. It has been found that wheat can be fed to stock very profitably when the price is too low to send it to market and, altogether, the consumption of wheat is likely to increase rather than diminish in the near future. In view of these facts, farmers should learn how to grow the crop cheaper, or in other words, how to increase the average yield per acre, for there is a profit when between thirty and forty bushels are obtained. There is no doubt of most farmers being able to obtain such a yield if thorough cultivation and fertilization are employed.

**North Dakota Fife Spring Wheat.** Peck 50c; bushel \$1.50.

We will have all the leading and new varieties of northern-grown Winter Wheat, of which we will issue a Special Seed Wheat Catalogue, containing full descriptions and prices, by July 20th next, and mailed free to all applicants. Our customers should write for this list.

We name the following varieties that we offer at \$1.25 per bushel in small lots. Special price on ten-bushel lots and over:

### SMOOTH VARIETIES.

POOL. MEALY.

FULTZ.

RED CLAWSON.

NUMBER SIX.

DIAMOND GRIT.

### BEARDED VARIETIES.

RUDY.

NIGGER.

HYBRID MEDITERRANEAN.

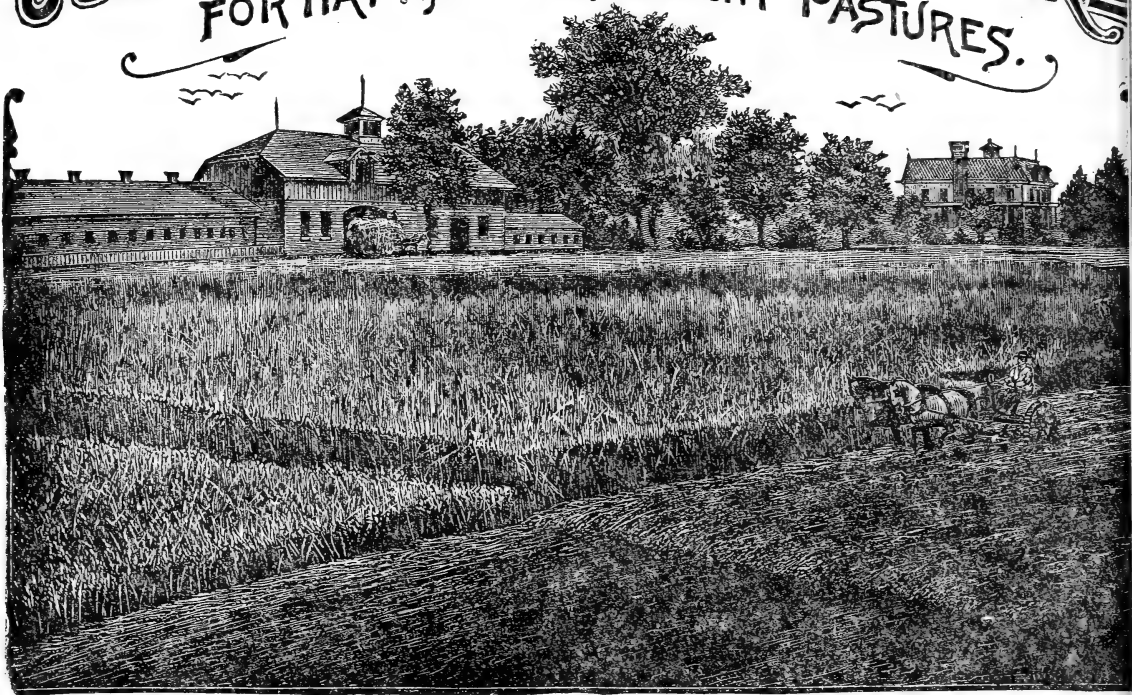
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Please bear in mind that we are Re-cleaners of all kinds of Field Seeds and you get nothing but thoroughly Re cleaned Seed if you order of us.



# OUR SPECIAL GRASS MIXTURE

## FOR HAY AND PERMANENT PASTURES.



NO PHOSPHATE USED.

PIONEER MAUMEE VALLEY PHOSPHATE USED.

One thing is certain that good pasture land is the foundation of the riches of a farm.

## Grass Mixtures for Permanent Pastures.

The past years have demonstrated the necessity of devoting more attention to good pastures. Most of the farmers have not yet learned that a pasture or meadow of Mixed Grasses is far superior to Clover and Timothy alone, but such is the case.

There is an increasing demand for grass seeds for remaining down for two or more years, and in the present depressed condition of agriculture, the system of extending the period during which rotation grasses remain down has many advantages, while the cost of suitable seeds is much less than those for permanent pasture.

**No. 1. Grass Mixture for Permanent Pasture.**—The base of this special mixture is ORCHARD GRASS, which yields as abundant crops as the ordinary mixture of "Timothy and Red Top," and is also a MUCH MORE PERMANENT GRASS than Timothy; with the great luxuriance of its aftermath, it possesses remarkable powers of enduring the cropping of cattle. Besides Orchard Grass, this mixture is made up of OUR NORTHERN RED TOP (which grows taller and makes better hay than the Red Top from the South) and English Rye Grass, Tall Meadow Oat Grass, English Blue Grass, Kentucky Blue Grass and Alsike Clover Seed, which gives permanency to the sward. From 25 to 35 pounds should be sown to the acre. This mixture is good on any soil. Per lb. 18c; per 100 lbs. \$16.00.

**No. 2. For Mowing and Grazing in Orchards and Shaded Situations.**—English Rye Grass, Timothy, Meadow Foxtail Grass, Orchard Grass, Wood Meadow Grass, Italian Rye Grass, Tall Meadow Oat Grass, Mammoth Clover, Red Top Grass and White Clover. Allowing 20 lbs. per acre. Per lb. 16c; per 100 lbs. \$14.00.

**No. 3. For Pastures on any Soils.**—Timothy, Meadow Fescue or English Blue Grass, Meadow Foxtail Grass, Red Top Grass, Orchard Grass, Kentucky Blue Grass, Lucerne Clover, Alsike Clover, White Clover. Allowing 20 lbs. per acre. Per lb. 18c; per 100 lbs. \$16.00.

**No. 4. For Ordinary Pasture.**—Orchard Grass, Kentucky Blue Grass, Timothy, Red Top, Red and Alsike Clover Seed. Allowing 25 pounds per acre. Per lb. 14c; \$12.00 per 100 lbs.

**No. 5. For Wood and New Ground Pasture.**—We have a mixture of the following grasses, which we offer at such price that any one who has any room and need for same will no doubt avail themselves of our very low offer. Orchard Grass, Blue Grass, Red Top Grass, Timothy, low grade Alsike and other Clovers. Allowing 30 pounds per acre. Per lb. 10c; \$8.00 per 100 lbs.

## CHOICE GRASS SEEDS, 1902 CROP.

Cotton bags extra 16 cents each.

Prices given below for the Field Varieties are for the present only, as the market changes daily.

When in the market to buy write for our Field Seed Price List, mailed free.

Toledo, Ohio, is the greatest Clover Seed market in the world, and we are right in the seed belt. Our Pioneer Brand Medium and Choice Mammoth Clover Seed are the purest and best cleaned of all. Our large mail order trade has been built up by honorable dealing, handling the best grades, and giving our customers just what they pay for and expect to get. We have pleased thousands, according to their friendly testimonials, and will please anyone who will favor us with their order, and ask you to be friendly and write us for samples and prices whenever wanting to buy in large or small quantities.

## High Grade Extra Clean Clover, Timothy and other Grass Seeds.

We pay particular attention to this part of our business. These Seeds are selected and tested with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds pure and free from noxious and foreign seeds. We grow and buy our stock of growers, and keep in stock large quantities of Clover Seed and other Grass Seeds, cleaned by the most improved electric machinery. Our Clover Seed, Medium and Mammoth, is kept separate and not mixed, as is generally the case of most all seed sold and bought on the Exchange and of commission and export Seed houses. Our prices are as low as any reliable seedsmen can sell such Clover and Grass Seeds for. Of course we do not pretend to compete with the Exchange and commission house prices, where good and indifferent seeds are mixed and sold at low prices. It is better every time to pay a little more and get the genuine unmixed and clean seed. Clover is the foundation of all farming. It would even pay the farmer if he had to give \$10 per bushel for it. We are in position to save you money every time on Grass and Clover Seed. Send us your order, or apply for prices, pamphlets and samples.

Kentucky Blue Grass, English Rye Grass, Orchard Grass and Red Top, in lots of five bushels and over, no CHARGE FOR BAGS. For all other seeds cotton bags extra. Your orders are solicited and will receive prompt and careful attention, and will be filled at the lowest market price on receipt of same, unless prices are agreed upon before.

**Alsike Clover.** Swedish Clover (*Trifolium Hybridum*). So called from being intermediate in its appearance between the Red and White Clovers, possessing qualities common to both, being productive, sweet and permanent. Is valuable for pasturage or soiling; makes the finest hay sown with or without Timothy. The flowers are a distinct light pink and afford fine pasturage for bees. Sow 8 pounds per acre. Pound, postage paid, 25c; per bushel, market price.

The crop of Alsike Clover was a short one again this year and seed not of finest quality. This seed has in former years been mostly sold for export, but there is a growing demand for same in this country, as it makes one of the best forage and hay crops and great yield in seed.

**Lucerne or Alfalfa Clover** (*Medicago Sativa*). Alfalfa is a wonderful forage, fertilizer and hay plant; the greatest cropper of all Clover and Grass varieties; will produce three to four crops in the season; will thrive and grow on dry, barren, sandy, gravelly and hilly land, where no other plants live. The Alfalfa sprout sinks its roots deeply after moisture and nourishment, and the severest drouth has no effect on it; the barren soil keeps covered with a beautiful green crop; also stands wet, heavy rains, deep snows and cold winters. Nothing better to renew old worn out land. The crop is a short one this year. Is now grown successfully in Ohio, and we have Ohio-grown seed to offer. Seed can be sown with any grain crop in Spring, or as a separate crop, of 12 to 15 pounds to acre. Pound 15c; postpaid 25c. Market price in quantity.

**Bokhara Clover.** Honey plant (*Melilotus Alba*). Excellent for bee food; growing well on poor soil. By mail postpaid, 30c. per pound. Market price for quantity.

**Crimson or Scarlet Clover** (*Trifolium Incarnatum*). Is an annual variety in common use in Italy, France, and of late in this country. The best time for sowing is in the early fall. It is a rapid grower; the yield is immense, and for feeding green late in the Fall and early Spring it has no equal. Sown also in the months of April and May, for hay, pasture, and as a fertilizer, with excellent results. Crop this year a short one, with prospect of higher prices. As an improver of the soil, or for an early Summer forage or hay crop, it is unsurpassed. As a green manuring crop for grain, fruit or trucking crops it gives the very best results, while for improving poor land it has no equal. It succeeds on nearly every kind of soil, and is now grown largely in all the Middle States, and has succeeded in every State in the Union where tried. Sow 20 pounds to the acre. Pound 10c; postpaid, 20c; bushel of 60 pounds \$5.00.

**Red Clover** (*Trifolium Pratense*). This is the common Red Clover, the seed of which is the Clover Seed of commerce. At lowest market price.

Red Clover was largely damaged by extreme dry and hot weather, also rains, this year, therefore the seed is not of so bright and dark green a color. The brown and red seed our samples contain is off color, but will grow, and barring color is as good for seed as the blue seed.

**Mammoth Sapling Clover, English Clover.** Compared with the common Red Clover, its flower, foliage and stems are of darker color. Is valuable when grown with other grasses for mixed hay, as it ripens later than common Red Clover, about the time Timothy, Orchard and other grasses ripen, thereby making the hay a much better quality. Being a very rank grower, it is coming into general use for soiling purposes. Market price.

**White Dutch Clover** (*Trifolium Repens*). Grows naturally in pastures in a great variety of soils and situations, and is an indispensable requisite in all parks and lawns. Pound 25c; postpaid 35c. Market price in quantity.

**Timothy** (*Phleum Pratense*). This well-known variety is extensively known throughout the country. It will produce a large crop. Sow from 10 to 15 pounds per acre. Bushel 45 pounds. Lowest market price.

**Bromus Inermis.** The greatest grass grown for dry soils and times. This is a perennial nutritious grass for both hay and pasture, and has had a large sale the last two years. Will grow on most any soils. Sow 23 lbs. per acre. Price, postpaid, 20c. per pound. By freight or express, \$10.00 per 100 lbs. Bushel weighs 14 lbs.

**Sainfoin** (*Onobrychis Sativa*). A valuable fodder. Plant on light, dry, sandy soil. 20 lbs. \$2.00; 1b. 20c.

**Hungarian Grass.** A valuable forage grass and hay, both because of its foliage and nutritious seeds; early; resists drouth; does well on light soil. Sow one bushel per acre. Bushel 48 pounds. Lowest market price.

**Common Millet.** An excellent early forage grass, with long, broad leaves and nutritious grain. Grows to height of three or four feet. Very early. One bushel per acre. Bushel 50 pounds. Lowest market price.

**Improved German or Golden Wonder Millet.** This is not so early as the common Millet, but yields much larger crop. Southern-grown seed is preferred, producing more hay. Northern-grown seed is usually hybridized with other millets and will not grow as tall. Southern-grown seed at lowest market price.

**The Russian Forage, or New Manitoba Millet.** This is largely grown in Russia, British Columbia and the Dakotas, and introduced by us five years ago. Lowest market price.

**Sweet Vernal, True Perennial** (*Anthoxanthum Odoratum*). Very fragrant, especially when bruised. For pasture, mixed with other grasses, is quite valuable, as it starts early in Spring and grows until late in Fall. By mail, pound \$1.25.

**English Perennial Rye Grass** (*Lolium Perenne*). A nutritious, permanent grass for meadows and pastures; also for mixing with other grasses for lawns. Pound 10c; bushel, 24 pounds, \$1.75.

**Tall Meadow Oat Grass** (*Avena Elatior*). A valuable grass for permanent pasture on account of its early luxuriant growth. Makes splendid hay. Pound 20c; bushel, 13 pounds, \$2.50.

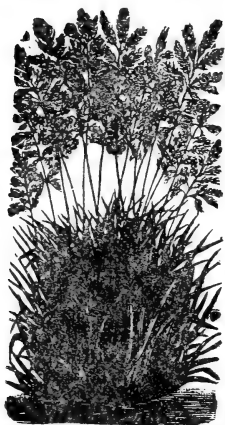
**Italian Rye Grass** (*Lolium Italicum*). Recommended for permanent pasture mixture. Pound 10c; bushel, 20 pounds, \$1.50.

**Wood Meadow Grass** (*Poa Nemoralis*). Adapted for pleasure grounds under trees; fine for pasture under close feeding. Sow 28 pounds to acre. Pound, 50c; bushel, 14 pounds, \$6.50.

**Meadow Foxtail. Rough Stalked Meadow.** Each, per lb., 3c; 10 lbs. and over, 25c. per lb.

**Hard Fescue, Sheep Fescue, Meadow Soft.** Each, per lb., 20c; 10 lbs. and over, 15c. per lb.

**Kentucky Blue Grass** (*Poa Pratensis*). Kentucky (not Canada) Blue Grass crop was an average one this season. Is very valuable and exceedingly popular in some sections of the country as a pasture grass. It is very productive and unusually early in Spring, furnishing delicious food throughout the season for all kinds of stock. It is not easily affected by drouth or frost, is suited to any variety of soil, succeeding best on a moist, rich meadow. For permanent pasture it is particularly valuable, being of dwarf growth; therefore not so well suited for meadows. Unexcelled for lawns. If let grow up in Fall, without grazing, makes good winter pasture. Our seed is all new crop, Kentucky grown and the best grade, "Fancy Cleaned." Beware of the Canada blue grass, which does not make as good pasture as the Kentucky, and the seed contains a considerable proportion of Canadian thistle, which would be a great damage to any farmer, but can be purchased at about half price. We understand that even some Kentucky dealers buy this and sell it as Kentucky grown seed. Sow 28 pounds per acre for pasture and 40 to 50 pounds for lawns. Extra choice: Bushel \$1.25; peck 40c; pound by mail 20c. Fancy: bushel \$1.75; peck 60c; pound by mail 25c. For larger orders, special price. We can furnish a lower grade (extra clean) Kentucky Blue Grass at \$1.00 a bushel, but there is but little vitality left in it, and we do not recommend it.



Kentucky Blue Grass.

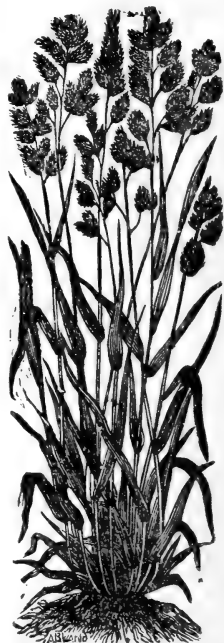
**Meadow Fescue** (*Festuca Pratensis*). English Blue Grass. A highly valuable species for permanent grass land. It does not, however, attain its full productive power till the second year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture, and is one of the most desirable permanent grasses for general culture and mixtures for permanent pasture. Twenty to thirty pounds per acre. Per lb. 20c; per 100 lbs. \$12.00.

**Orchard Grass** (*Dactylis Glomerata*). A rough, coarse, perennial grass, extremely hardy; of all grasses the best for sowing under trees or in orchards; furnishes abundance of pasture during the entire season, wet or dry; makes excellent hay mixed with clover. Sapling or Alsike Clover is best to sow with it, as it ripens about same time. Sow in September or Spring, at rate of 1½ to 2 bushels per acre. Weight per bushel fourteen pounds. This seed has been in great demand by English and other foreign dealers. It grows about two and one-half feet high, producing an immense quantity of leaves and foliage. On account of its earliness and quick growth it is of exceptional value for permanent pastures. It furnishes the first green bite in Spring and the last in the Fall; is quick to recover from close croppings, even thrives better the more it is cropped, and is heartily relished by all kinds of stock. It should not be sown alone, as it grows in tufts, but in a mixture with other grasses it should be included, so as to get a close and even sod. Pound 20c; peck 60c; bushel \$2.00.

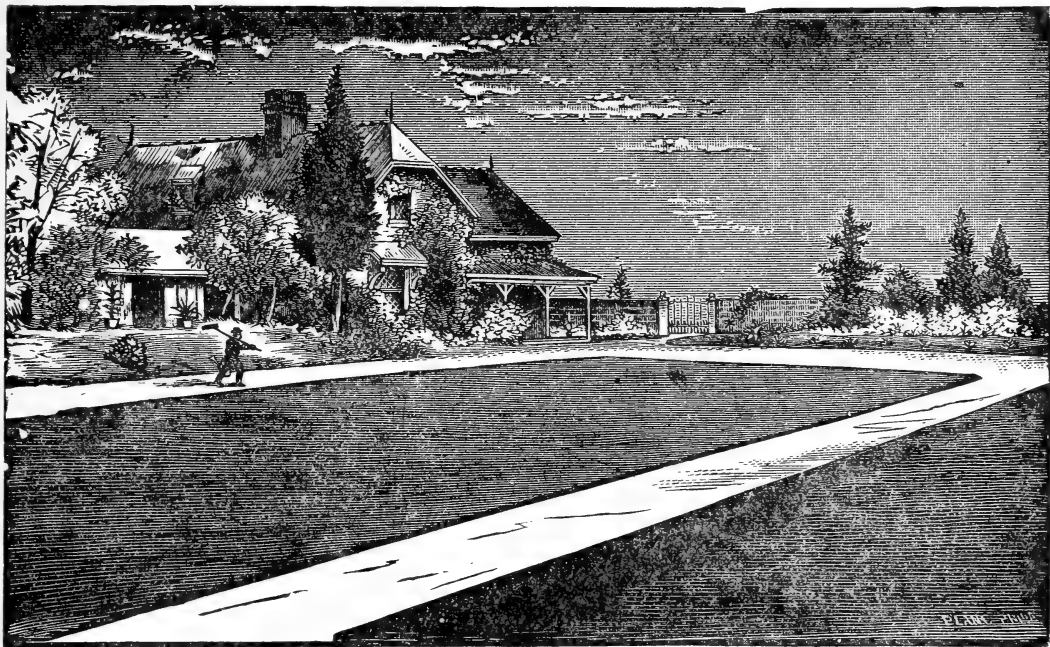
**Herd or Red Top Grass** (*Agrostis Vulgaris*). Fourteen pounds to the bushel. This is a good, permanent grass, and makes a perfect sod. It is the best grass that can be sown on washy lands for holding the soil. In most sections it is highly appreciated for hay, succeeding Clover and Timothy when they have dried out. It is a good forage plant when kept fed close. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It should enter largely into a mixture with other grasses. Sow two bushels to the acre. Pound 10c; subject to market price.

**Red Top Fancy.** Cleaned from chaff and is solid seed. (About 50 lbs. to the measured bushel.) Three pounds thus equals one bushel of ordinary Red Top. Unlike ordinary Red Top, it can be sown at same time with other grasses, thus avoiding going over the ground the second time. Pound 20c; 14 pounds \$1.50; 100 pounds \$10.00.

Red Top grows almost everywhere, but in a moist soil it reaches its highest state of perfection; is good for pasture and also lawns. There is a great difference in the grade and qualities. The low-priced seed is really nothing but the chaff and hulls of the choice and fancy cleaned, and contains but a small percentage of germinating seed.



Orchard Grass.



## LAWN GRASS SEED.

**THE LAWN GRASS** which we offer should not be compared with the cheaper preparations advertised. Our combination is of the best chosen varieties and clear of weed seeds. Anyone who purchases cheap, ill-chosen Lawn Grass will soon realize that it is a poor investment, as the crop is a constant reminder of a poorly considered purchase.

Much of the success of lawn making depends upon the preparation of the ground. The land must be well plowed or dug, and harrowed or raked, to secure thorough pulverization and, if possible, well rolled down and top dressed with a good fertilizer, unless the land had received an application of well-rotted stable manure before plowing or spading, and we would recommend a good grade of super-phosphate or a mixture of phosphate, ammoniated bone, as especially adapted for lawns, at the rate of 500 pounds to the acre, which should be lightly harrowed in and upon the seed bed. Our Lawn Grass Mixture should be carefully sown at the rate of three or four bushels to the acre, lightly harrowed in and thoroughly rolled. When the young shoots of grass have attained the height of three or four inches it should be carefully mown with a sharp scythe; after this it should be mown about every ten days with a lawn mower. Frequent mowing is indispensable to maintain turf in good order.

When your lawn has already been established, you will find it greatly to your advantage to renew it every season. As early in the Spring as the weather will permit, have your lawn carefully raked so as to remove the dead grass and leaves that may be thereon; then sprinkle it with our Mixed Lawn Grass Seed, which will renew the thin places and spots which have been killed by Winter; then give it a dressing with our Lawn Fertilizer Mixture, and finish by giving the whole a thorough rolling; after which the lawn mower should be used every week or ten days. This will make the lawn a source of ever-varying beauty and enjoyment throughout the season.

We have tried all kinds of Lawn Grass Seed, both native and foreign, and confidently recommend our Mixed Lawn Grass Seed as the best in use. It makes a quick and luxuriant growth, and permanently occupies the ground, giving it a velvety evergreen sod, which is the charm of a lawn. Put up in packages or as wanted.

		Lb.	Peck.	Bushel.
<b>The Henry Philipps S. &amp; I. Co. Fancy Park Mixture</b>				
Lawn Grass Seed.....		\$0.20	\$0.65	\$2.50
<b>The Henry Philipps S. &amp; I. Co. Common Mixture</b>				
Lawn Grass Seed.....		.15	.50	2.00

We wholesale our Lawn Grass Seed put up in lithographed cartons of one pound—two dozen per case, and shall be pleased to have dealers write for prices.

If sent by mail, add 10c. per pound to prepay postage. Special price in larger lots.

# PIONEER FERTILIZERS.

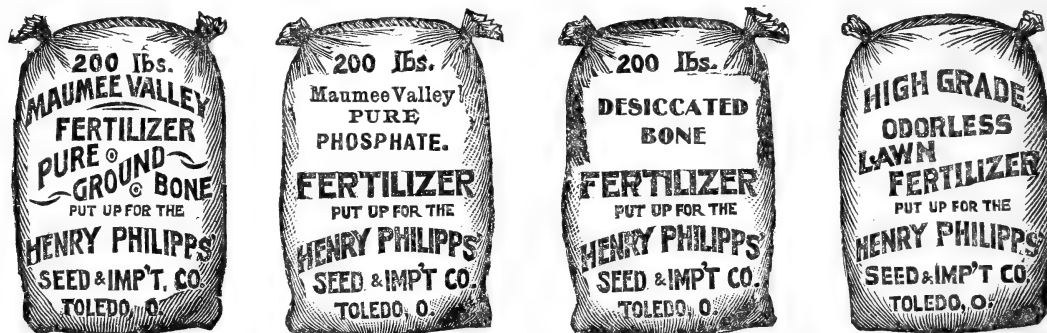
PURE AND UNADULTERATED.

FEED YOUR SOIL.

Commercial Fertilizers are sure to come into more general use as fast as they are tried. Their quick and direct action commends them to the gardener and the farmer. A customer who once buys almost invariably continues its use. The enormous quantities sold every year give the best evidence of its utility and value to the gardener and farmer.

## OUR FARMER AND GARDENER FRIENDS.

Life is too short for the intelligent to spend any great portion of it in wading through the long drawn out publications of some fertilizer companies. You know that your land needs manure and we know that we have the goods that will suit you. Bone Fertilizers are the most valuable, and though they cost a little more than the South Carolina Rock at the start, they are cheapest in the end.



**Maumee Valley Pure Ground Bone.** Pure Bone Meal analysis: Ammonia, 6.50 per cent.; Bone Phosphate and Phosphoric Acid, 25.27 per cent.; Potash, 0.93 per cent. Every bag guaranteed pure bone. Price, per bag of 200 pounds, \$3.25; in ton lots, \$28.00. Harrow or drill in, using 200 to 300 pounds per acre at time of seeding. Small lots by express, not prepaid, 5 pounds 25 cents; 10 pounds 50 cents; 25 pounds, \$1.00.

**Maumee Valley Pure Phosphate.** State analysis: 4.50 Ammonia; Phos. Acid, 15.48; Potash, 0.68 per cent. This brand of Fertilizer is the best and purest of its kind made. It consists of animal meat and bone only, is very strong, most excellent for wheat, corn, potatoes and vegetables. Price, 200 lb. bags \$2.75; in ton lots \$24.00.

**Desiccated Bone.** Guaranteed analysis: Ammonia, 1.50 to 2.50 per cent.; Phosphoric Acid, 25 to 30 per cent.; Bone Phosphate, 55 to 65 per cent. Is a pure animal bone, without adulteration, from which all the grease and gelatinous matters have been extracted by a patent process, leaving the resultant bone in a finely divided state. Numerous tests have shown that the results from using Desiccated Bone are more satisfactory than those with Raw Bone, because the former is more quickly decomposed in the soil, and the phosphoric acid is more readily rendered available as food for growing plants. Price, 200 pound bag \$4.00; in ton lots \$37.50.

Recommended for use on bottom lands or where there is a good supply of moisture for all kinds of grain, and also for strawberries and fruit trees, in connection with some form of potash. May also be used to good advantage composted with barnyard manure.

## PIONEER LAWN DRESSING.

No weeds. No litter around your house. Old and new lawns require stimulating in Spring or in the Fall after season of cutting and heat of Summer. It is chemically prepared, containing only elements to make grass growth; has never failed to produce a rapid and rich green velvety lawn. By using this dressing all the unsightliness and disagreeable odors are avoided. No weed seeds will fill your lawns as they frequently do when stable dressing is used. It is very lasting, and by its use worms and other troublesome insects are driven from the soil. Should be sown broadcast at the rate of 600 or 800 pounds to the acre, according to condition of lawn. 10 pound bag 50 cents; 25 pound bag \$1.00; 50 pound bag \$1.50; 100 pound bag \$2.25; 200 pound bag \$4.00; special price for larger quantity.



**Nitrate of Soda.** This is valuable solely for the nitrogen it contains, equal to 20 per cent. of ammonia. It is chiefly a stimulant; it is used in addition and mixed with barnyard and other fertilizers. It comes from Chili, and is very quick in its action and hastens the maturity of crops. Price, nominal, sack 200 lbs. \$6.50; half ton, \$30.00; ton lots, \$55.00.

**Muriate of Potash.** Contains 50 per cent. actual potash. Price, nominal, per bag of about 224 lbs. \$6.50; per ton of 2,000 lbs. \$55.00.

Prices on Nitrate of Soda and Muriate of Potash are subject to market fluctuations.

**Pure Peruvian Guano.** (Genuine Lobos brand.) Free from adulteration. One lb. 10c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.50; 200 lbs. \$6.00; per ton of 2,000 lbs. \$55.00. One ton of pure guano is worth twenty tons of stable manure. Mixed in water (like Paris Green) it is most valuable in forcing garden truck, both in hot-beds and out in the field.

**Land Plaster or Gypsum.** Analysis: Sulphate of lime, pure gypsum, 94.23; carbonate of magnesia (a valuable fertilizer), 2.65; common limestone, 2.20; alumina silica and oxide of iron, .92. We have the genuine New York State gray only, and this Land Plaster used as fertilizer gives better results for money invested than anything a farmer can put on his land. Valuable for all crops, especially in dry seasons where commercial fertilizers fail. Used by many potato growers. This is excellent to mix with Paris Green at the rate of 100 pounds of Plaster to 1 pound of Paris Green. Per barrel of about 300 pounds, on cars, \$1.50; 5 barrel lots, per barrel, \$1.25.

**Ashes—Canada Unleached Hard Wood.** Nature's fertilizer. Contains all of the fertilizing elements. Ashes correct sourness of the soil, rendering sandy soils more capable of retaining fertilizers and making clay soils less stiff and more easily worked. They drive away insects, and are indispensable for all crops requiring potash. They are very beneficial for garden and field crops, and are of high value for cabbages, potatoes, onions, strawberries, celery, fruit trees, corn, clover, wheat, beans, grass lands and lawns. Price, per barrel of about 200 lbs. \$2.00; per ton of 2,000 lbs. \$18.00. Special price in larger lots.

Please let us know for what crop and on what kind of soil you wish to use fertilizer, and we will be pleased to write you what we consider best for your use.

**Bowker's Food for Flowers.** An excellent fertilizer for house plants. Easily applied by dissolving in water. Clean to handle; without odor; produces rich green growth and profusion of flowers. Price, large packages, 25c; or by mail, 40c.

## POULTRY SUPPLIES.

### Rust's Havens' Climax Condition Powder.

Is exactly what every Farmer and Poultry Raiser Needs.



Keeps stock and fowls healthy. It always cures Gapes and Fowl Cholera when used as directed. It expels worms from Horses, etc., harmlessly. It improves and increases the production of milk. It makes Hogs thrive and fatten. Try this. It is the only reliable Poultry Powder. It is not a feed, but an honest medicine at an honest price. All who have used it once will have it again. Price, one package, 25c; if by mail 15c. extra for postage. Five pound box (equal to 6 packages), \$1.00. Full descriptive circulars and anything else in line of Poultry supplies wanted, will be furnished on application.

### LINSEED OR OIL CAKE MEAL.

Genuine Old Process.

Experienced feeders claim it to be the most profitable food for Beef Cattle, Cows, Horses, Sheep, Hogs, Fowls, etc. Keeps stock in a healthy condition. Makes fine palatable meats more tender and juicy. A wonderful food for milch cows—increased quantity and quality of milk, butter and cheese. A double gain in rich manure that is left. Oil Cake Meal, like cooked food, is easily digested and shows good results. Prices subject to change. Price per 100 pound bag, \$1.50; per ton, \$28.00. No charge for bags. Royal Stock Food for Horses, Cattle, Hogs, Sheep and Poultry. For large lots apply for prices, as we may be able to sell for less than here quoted.

### BUCKEYE HOG CHOLERA CURE.

Makes hog raising profitable. An absolute prevention and cure for Hog Cholera. It will put your hogs in first-class condition; stop cough and regulate the bowels; arrest disease in every instance; destroy worms; repay its cost many times over in the extra pounds of pork it will make without extra feed. Price, 5c. a package; \$4.00 per dozen. Agents wanted.

### COARSE GROUND BONE FOR POULTRY.

This is about the size of wheat, and can be fed like any other food, in grain. The phosphate of lime contained in bone assists in the formation of the egg and largely increases the productiveness of hens. Price, 1 to 10 lbs. 5c; 15 to 50 lbs. 3c; 100 lbs. 2½c; in ton lots 2c. per lb.



**RUST'S EGG PRODUCER** supplies those substances, which, when assimilated by fowls, produce

### EGGS, GROWTH AND DEVELOPMENT.

It contains the elements of eggs, and therefore makes hens and tardy pullets lay, exactly as certain foods produce milk in cows or fertilizers increase crops.

Although at half the usual price, it is not too cheap to be the best "Hen Persuader," or Egg Food known. It is so excellent in quality, and so moderate in price, that everybody keeping fowls should use it in summer and winter.

It makes egg producing profitable. Full directions on each package.

**PRICES:**—1 lb. package, 25 cents; 2½ lb. box, 50 cents; 6 lb. box, \$1.00; 10 lb. box, \$1.50; 25 lb. keg, \$8.25.

If by mail, add 16 cents per lb. for postage.

### "MASCOT"

### Drinking Fountain

#### FOR FOWLS.

The best thing yet. Is as convenient to fill and empty as a water pail. Chicks will not get drowned in it. Price 1 gallon size, 50c.

## GROUND OYSTER SHELLS AND CRYSTAL GRIT.

Both important articles for the poultry yard through the Winter, and should be liberally supplied to the fowls. When everything is frozen or covered with snow, they must be helped out if eggs are wanted. The fact that our "Excelsior Oyster Shells" are ground when green, makes them valuable as an aid in the digestive organs of the fowl. Price, 1 to 10 lbs. 2c. per lb.; 20 lbs. 30c; 50 lbs. 50c; 100 lbs. 75c. Special prices on larger lots. Crystal Grit same price.

## PURE FINE GROUND BONE FOR POULTRY.

For young chicks whose power of digestion is not mature, this will be found an indispensable addition to their food. Price, 5 lbs. 25c; 10 lbs. 40c; 50 lbs. \$1.50; 100-lb. bag \$2.50.

## DEODORIZED BLOOD MEAL.

Blood Meal is a valuable supplemental food for Poultry. Don't fail to give it a trial. Ten-lb. packages 50c; 50-lb. bag \$2.00; special price in larger lots. Meat Meal, 100-lb. keg, \$2.75.

**Mixed Chicken Feed**, from 50c. to \$1.00 per 100 lbs. as to quality.

Rust's Hayes' Roup Pills .....	at	25 cents per box.
Bockley Phillips' Stock Food .....	at	50 " " package.
" " Egg Producer .....	at	25 " " "
" " Louse Killer .....	at	25 " " "
Sunflower Seed, Russian Mammoth .....	at	10 " " pound.
Barley for Hens .....	at	75 " " bushel.
Buckwheat for Hens .....	at	90 " " "
Millet for Chicks .....	at	75 " " "
China Nest Eggs .....	at	25 " " dozen.
Slug Shot--Insect Destroyer .....	at	25 " " 5 lb. package.
Lee's Lice Killer .....	at	60 " " ½ gallon.
" " " .....	at	1 00 " " 1 gallon.
Sturtevant's Vermin Killer .....	at	25 " " package.
Powder Guns .....	at	15 to 25 cents.

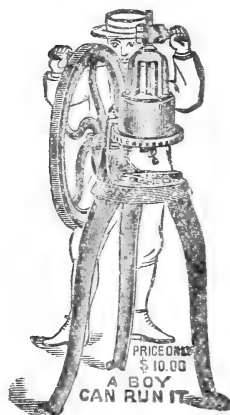
## MANN'S & STEARN'S

### Hand and Power New Green Bone Cutters.

Will successfully cut Fresh Market Bones, with meat and gristle attached. Valuable implement for the Poultryman, Gardener and Housekeeper.

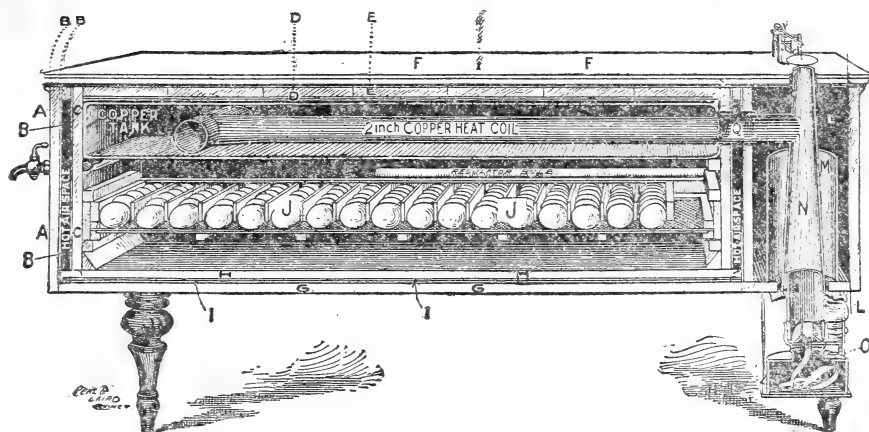
**OUR WARRANT.**—Every machine warranted to cut dry or green bones with the meat and gristle attached, without clog or difficulty, or money refunded.

#### 1903 PRICE LIST.



No.	5 C,	Mann's	(with Crank Handle)	\$ 6 00	Stearn's \$ 6 00
"	5 B,	"	(with Balance Wheel)	8 00	8 00
"	5 B. M.,	"	(with Balance Wheel and Iron Stand)	10 40	9 00
"	7	"	(with Balance Wheel and Iron Stand)	12 00	12 00
"	9	"	(with Balance Wheel and Iron Stand)	18 40	15 00
"	11	"	(Power Machine)	26 00	20 00
"	12	"	( " " )	30 00	30 00
"	15	"	( " " )	60 00	35 00
No. 14		"	( " " )	76 00	
" 16		"	( " " )	225 00	
Clover Cutter		"	(with Balance Wheel)	8 00	
Clover Cutter		"	(with Balance Wheel and Iron Stand)	10 00	

# RELIABLE INCUBATORS.



SECTIONAL VIEW OF IMPROVED STANDARD RELIABLE HOT WATER INCUBATOR.

## Prices on Improved Standard Reliable Hot Water Incubators with Patent Turning Tray and Double Doors.

No.	Size.	Weight.	Price.
50.....	50 to 80 eggs.....	85 lbs.....	\$14 00
52.....	100 to 150 ".....	165 ".....	24 00
54.....	200 to 300 ".....	217 ".....	28 00
56.....	300 to 450 ".....	300 ".....	36 00
58.....	400 to 600 ".....	400 ".....	48 00

## Prices on Improved Standard Reliable Hot Air Incubators with Patent Turning Tray and Double Doors.

No.	Size.	Weight.	Price.
49.....	50 to 80 eggs.....	80 lbs.....	\$11 00
51.....	100 to 150 ".....	160 ".....	20 00
53.....	200 to 300 ".....	200 ".....	25 00
55.....	300 to 450 ".....	270 ".....	33 00
57.....	400 to 600 ".....	350 ".....	42 00

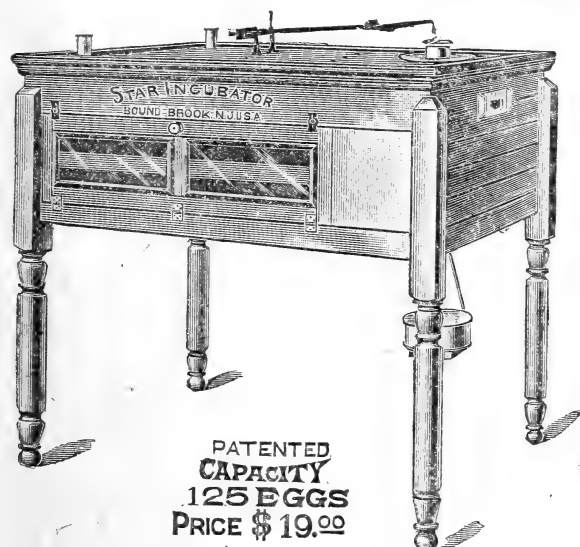
## Prices on Improved Standard Reliable Hot Water Incubators and Brooders Combined, with Patent Turning Tray and Double Doors.

No.	Size.	Weight.	Price.
60.....	50 to 80 eggs.....	115 lbs.....	\$18 00
62.....	100 to 150 ".....	225 ".....	30 00
64.....	200 to 300 ".....	285 ".....	40 00
66.....	300 to 450 ".....	370 ".....	52 00
68.....	400 to 600 ".....	500 ".....	65 00

## Prices on Improved Standard Reliable Hot Air Incubators and Brooders Combined, with Patent Turning Tray and Double Doors.

No.	Size.	Weight.	Price.
59.....	50 to 80 eggs.....	110 lbs.....	\$16 00
61.....	100 to 150 ".....	212 ".....	26 00
63.....	200 to 300 ".....	265 ".....	35 00
65.....	300 to 450 ".....	340 ".....	46 00
67.....	400 to 600 ".....	475 ".....	56 00

# STAR INCUBATORS.



## OUR \$5.00 BROODER.

We sell the best Brooder made for only \$5.00.

The capacity of this Brooder is 100 chicks, and it will pay any of our customers in want of a Brooder to order of us.

Price, \$5.00.

No. 12-125-Egg Capacity.....	\$19 00
No. 15-190 ".....	24 00
No. 16-250 ".....	30 00

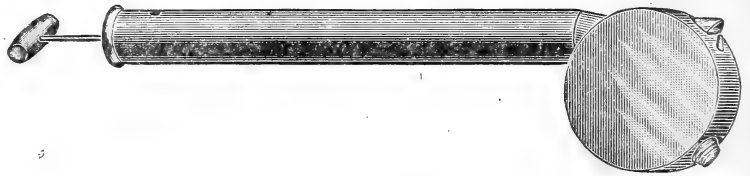
## SPRAYING OUTFITS.

Nearly everyone is now familiar with the practice of spraying plants with various insecticides and fungicides, for the prevention of injury by insects and fungous diseases. It has been estimated by competent authorities that over \$300,000,000 worth of crops are annually destroyed by insects and fungi in the United States. But by proper spraying a large part of this immense loss can be prevented.

The spraying should be done by means of a spray pump, many styles of which are on the market. To do satisfactory work in spraying one must have a first-class outfit. The pump must have its working parts made of brass, as the fungicides soon corrode iron or tin. The nozzle must be of good quality, it must throw a fine mist-like spray, and if it will throw a solid stream, so much the better for its general utility. The kind of spraying outfit which should be selected will depend entirely upon the kind and amount of work to be done.

We here offer to our friends and customers a complete line of spraying appliances, such as we consider good in every way, and the best made for the price asked. The different Sprayers we offer can be used in many ways for spraying the garden, orchard or vineyard for florists, nurserymen, fruit and tobacco growers, poultrymen and stock raisers.

### LIGHTNING SPRAYER.



Lightning Sprayer.

This little liquid Sprayer weighs one pound. Is cheap and durable and will soon be wanted by every farmer and gardener in the country. Once filling will cover 1,000 hills of potatoes. This is the best Sprayer for farmers' wives to spray house and garden plants, disinfecting rooms, for use in the laundry and anywhere that spraying of any nature of liquids can be used. The best Sprayer for barn use to keep flies off stock, etc.

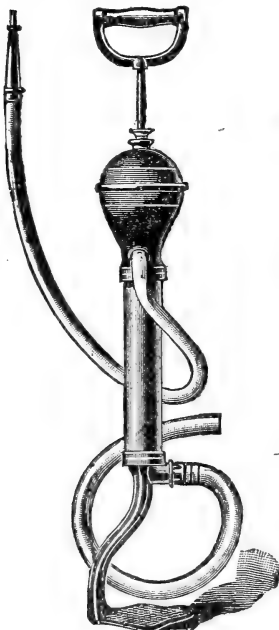
Price low and within reach of all. Tin, 50c. each; brass, \$1.00; by express. These machines have been used by the leading florists and gardeners in the United States with the greatest degree of satisfaction. It throws a spray as fine as a cloud of smoke, which being damp adheres to the plant; it is worth its cost many times each season to any household; it will surely disinfect any place, and destroy any living insect if the proper liquids are used. Kerosene emulsion may be used on most any kind of plant without harming same. *When using operate with a quick stroke.*

**CARE OF SPRAYER.**—Keep the leather plunger soft and pliable with a few drops of lard oil or a little vaseline. If small tube entering cup at point of air chamber clogs, remove obstruction with small wire; always rinse cup well with clean water, and dry before putting away. With reasonable care it should last for years.

### DOUBLE ACTING SPRAYING FORCE PUMPS.

**Aquaject Portable Hand Force Pump.** The easiest and most powerful Garden Force Pumps ever produced. Fitted with suction hose to draw water or other liquids from a pail or other source, even 20 or more feet off. A perfect miniature fire engine of brass and malleable iron. Serviceable for home, garden, orchard, washing buggies, etc. With suction and discharge hose, brass discharge pipe and sprayer and agitator. Price, complete, \$4.50.

**Philipps' Improved Bucket-Spraying Pump.** This all brass hand force Pump has all the latest improved points, and we guarantee every Pump to give entire satisfaction. Price, \$2.50.

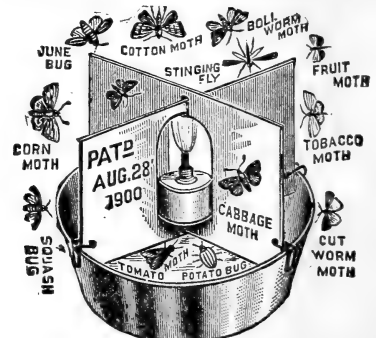


Aquaject.



Philipps' Bucket Pump.

### GREAT NEW INVENTION.



**S.A. HASELTINE'S**  
**MOTH CATCHER**  
REGISTERED TRADE MARK.

We can recommend this machine to gardeners, farmers and fruit growers for catching all kinds of moths and beetles that make the worms that do damage to the different crops. Try it.

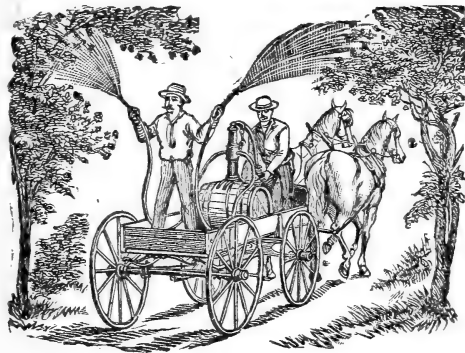
Price, small size, 85 cts.; large size, \$1.00. F. O. B. express here.

(SPRAYING OUTFITS—Continued.)

## SPRAYING FRUIT TREES BY HAND AND HORSE POWER.

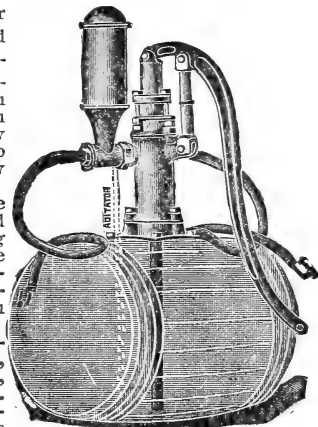
Spraying is No Longer an Experiment but a Science, and a Necessity to Secure a Crop of Fruit.

**Outfit B.** DOUBLE ACTING Spray Pump, with base for attaching to either side or top of Barrel. This Pump has brass-lined cylinder, brass-cased differential plunger, and large air chamber. Price 2½ ft. 1 in. iron suction pipe with brass strainer and two leads 10 ft. each ½ in. discharge hose with Mason (or other) spray nozzle, \$10.00. For a pump with one lead hose only \$8.50.



These Outfits can be mounted on wagons and plank sleds at very trifling expense and trouble. We can guarantee these outfits to give good satisfaction, so our customers run no risk in ordering them.

**Leggett's Gun** complete, with 4 extra tubes, 5 nozzles, oil can, 2 straps, as illustrated, is \$7.50. Circular gives full information as to the mixtures and cost of different powders, etc., with each Gun.

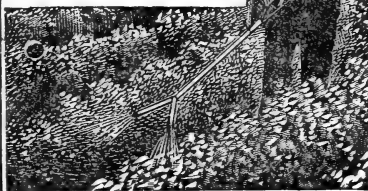


Outfit B.

### LEGGETT'S PARIS GREEN OR DRY POWDER GUN.

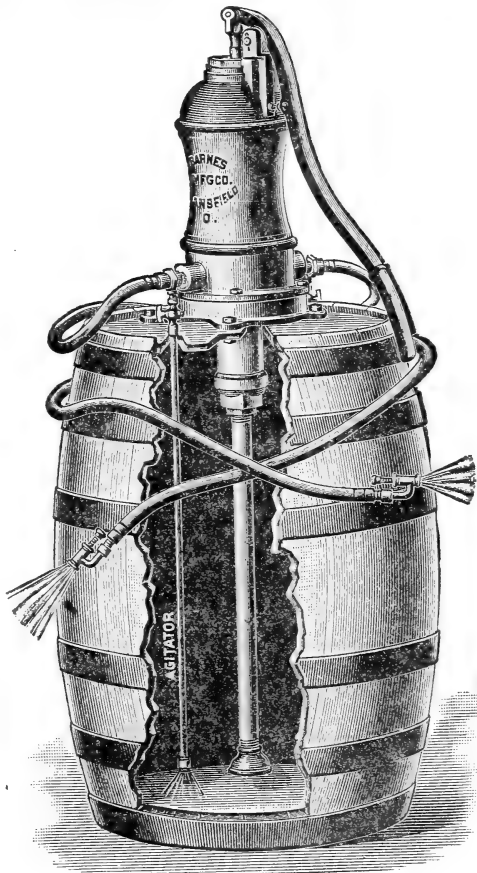
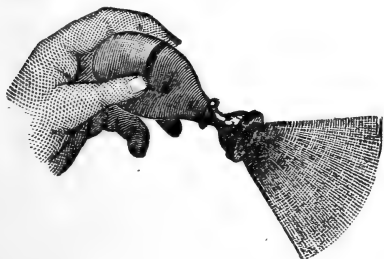
For Orchard, Vineyard, Garden or Potato Field. Distributes Paris Green, Sulphur, "Fungiroid," (a powdered Bordeaux Mixture) or any dry powder.

THOUSANDS IN USE Illustrated Circular on application.



A Wonderful Invention Light, Swift, Easy, Safe, Strong and Cheap.

**Outfit P.** Represents our New Improved BARREL SPRAY PUMP with brass upper and brass-lined lower cylinders, brass plunger, brass check valve and brass valve seats. All working parts coming in contact with the liquid are brass. The body of the Pump is a large air chamber, and after the Pump is under pressure it will discharge a steady spray lasting two minutes or more with one stroke of the handle, thus making it easy to operate. Is double-acting, discharging half of water on up-stroke and half on down-stroke of handle. The ease with which it is operated makes it a general favorite, and we guarantee it to give perfect satisfaction. Price, 1 Lead Hose, \$8.50; with 2 Leads Hose, \$10.00.



Outfit P.

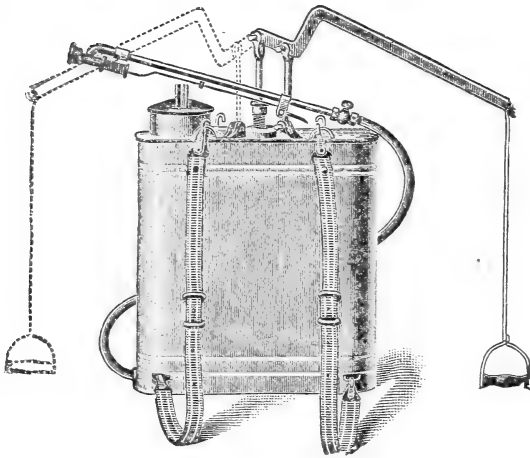
**Scollay's Rubber Sprinkler.** Indispensable for floral work and gardening. Invaluable when once tried. Very useful for dampening clothes or sprinkling in any way. Beware of imitations, as this is the best.

Price, \$1.00. Same style medium, 75c. Small, 50c.



## PHILIPPS' "HANDY" KNAPSACK SPRAY PUMP.

FOR ORCHARD, VINEYARD OR FIELD SERVICE.



Our Improved Knapsack Spray Pump which we have designed and which experience will, we feel confident, prove the best pump of this character upon the market. The pump itself is made entirely of brass and copper, with rubber ball valves and metal plunger, all of which are easily accessible, and can be, therefore, readily examined and repaired. It is so arranged and stayed in the reservoir that it is capable of doing long and continuous service and will not easily get out of order.

The discharge in our New Improved is at the bottom, and the pump can, therefore, be entirely drained of the liquid. You can arrange Pump in the reservoir to be operated by either the right or left hand, as desired, although we shall make them locating the Pump to be operated by the right hand, unless ordered otherwise. The reservoir is made of heavy copper, and will hold about five gallons of liquid.

"Handy" Knapsack Sprayer complete, as shown in cut, with  $3\frac{1}{2}$  feet of  $\frac{3}{8}$  inch Discharge Hose and Vermorel Nozzle, \$10.00; less Vermorel Nozzle, 8-inch Lance and Lever, \$8.50.

## PHILIPPS' HORSE POWER SPRAYER.

Especially designed for Spraying Nursery stock, Grape Vineyards and Potato fields. This machine has a heavy hard-wood frame, and tank holding 50 gallons; has strong iron wheels, 3 feet 2 inches in diameter, 3 inches wide. Price, piped for vineyard Spraying, with thills for one horse, with four Vermorel Nozzles, \$50.00; price, piped for Spraying Potatoes, with pole for two horses, with three Vermorel Nozzles, \$60.00. Two 10-foot sections of hose and two Vermorel Nozzles for orchards. We sold several of them and they have all given the highest satisfaction. For more full explanation of the machine ask for special circular of same.

The "PRIZE" Knapsack Sprayer is provided with special attachment for clamping the pump (which can be easily removed) to tank, and has a handle by which tank may be carried about after removing the lever and its handle. In this way it can be used similar to a bucket pump. Horticulturists will appreciate this novel feature. The price is very low—only \$6.00.

Working parts of the Pump are brass, which will resist the action of acids contained in the fungicides.

A Return Stream Agitator made by a hole through the lower valve stirs the liquid and keeps the strainer free from sediment. No other Agitator of this kind will so thoroughly agitate the spraying solution.

Nothing could be more convenient than this apparatus for use in greenhouses and in gardens. It is an excellent potato sprayer where any solution is used except Bordeaux Mixture and Ammoniacal Solution of Copper Carbonate. To resist the action of acids, a copper tank is preferable.



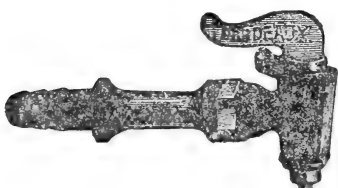
throwing an absolutely continuous stream, either solid or in fine spray. The end of hose connecting to pump is coiled with brass spring wire, adding largely to its durability. The "Bordeaux" Nozzle, the best combination spraying Nozzle on earth, is furnished with "Success" Pumps. Price \$3.50.

The "SUCCESS" represents a new and excellent Pump for use in gardens, vineyards, greenhouses, for washing windows and buggies, also for spraying poultry houses. The working parts are all brass and bucket foot-rest is made of malleable iron. Nothing could be simpler and more durable than this Pump. It has large air chamber space and is double acting,

The "Bordeaux" Nozzle is the simplest and best combination Spraying Nozzle on the market. It throws solid stream or a fan-shaped spray adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long-distance coarser spray for spraying very large trees; or it may be shut off altogether—Features Possessed by no other Spraying Nozzle. It can be used with any of our Spray Pumps for both  $\frac{1}{4}$ -inch pipe and  $\frac{1}{2}$ -inch hose. Price, as per cut, 75 cents.



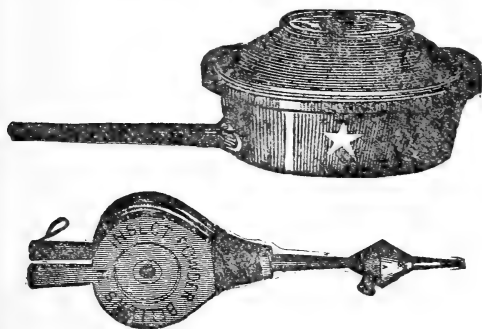
Success.





Philipps' Compressed Air Sprayer.

## PATENT POWDER GUNS.



## Philipps' Compressed Air Sprayer.

Philipps' Compressed Air Sprayer for spraying trees, small fruits, potato vines, etc. Also for house use as a Fire Extinguisher and many other uses. Tank holds between 3 and 4 gallons and should be filled about two-thirds full, and a few strokes of the pump will immediately start the spray or solid stream, whichever you prefer. Guaranteed the best out and greatly improved this year. Each Sprayer has an adjustable safety valve, which allows the air to escape after a desired pressure has been obtained. Price, galvanized, \$4.00; brass, \$5.50.

We carry in stock a full line of Wood and Iron, also Combined Lift and Force Pumps of all sizes; Well Curbing, Fixtures, Galvanized Chain, Rubber Buckets, Iron Pipe, Wood Tubing. All of these goods sold at the very lowest prices.

Extension Pipes, 2 foot lengths, Galv. Steel, Brass Ends.....	\$0.30
“ “ “ “ Solid Brass .....	.35
Elbow Connection, Solid Brass (for low down work).....	.35
Auto-Spray Torch (length of flame, 4 ft. 6 in.).....	1.00

**Scolloy Putty Bulbs**, for glazing. A pressure with the hand ejects the putty along the sash bars. Price, 75. and 90c. each; by mail, 85c. and \$1.00. Every florist and gardener should have one of these bulbs.

**Insect Powder Guns**. The most popular in the market, with screw cap in place of cork, which allows a larger opening for filling with powder. We have several sizes. Prices, 10c., 15c., 20c., 25c. each. Per doz., 80c., \$1.00, \$1.25, \$2.00. These are the best. They will last a lifetime. Never fail to completely destroy Bedbugs, Roaches, Moths, Mosquitoes, Flies, Fleas on Dogs, Lice on Birds, Animals, Plants, etc.

**Bellows** of different sizes, with patent powder receivers which cannot choke up. Bellows, 12, 16, 24, 30 inch. Price, 75c., \$1.00, \$1.25, \$1.50, \$2.00.



Scolloy Putty Bulb.

## INSECTICIDES.

**Carbolic Soap**. For freeing animals from insects and washing the bark of trees and plants for scale lice, etc. Price, 4 oz. package 10c; or by mail, 15c. Directions: Dissolve 2 ounces to a gallon of water and apply with brush, sponge or spray.

**Whale Oil Soap**. An effectual remedy for destroying and preventing insects on plants, trees, vines, etc.; for washing down the bark of trees, grapevines, etc. In cans, with directions, 25c.

**Hellebore**. For destroying Rose Slugs. One or two applications are usually sufficient for a season, and it is thoroughly effective. Per pound, 20c; by mail, 40c.

**Pure Paris Green**. For destroying Potato Bugs. It is effectual for destroying that pest. Directions for use with each package. 25c. per pound; by mail, 40c; 10 pounds for \$2.00.

**London Purple**. Very poisonous and equally as efficacious as Paris Green, and more soluble in water. Price, 25c. per pound; 10-pound lots and over 20c. per pound. If by mail, add 15c. for postage. Use in the same way as Paris Green.

**Tobacco Dust**. For Cabbage Worms, Caterpillars, etc. Very effective, being leaves and not ground stems; much used in vegetable hothouses. Pound, 10c; by mail, postpaid, 25c; express, 10 pounds, 50c; 25 pounds, \$1.50; 100 pounds, \$3.00.

**Blue Vitriol**. Now very extensively used in spraying grapevines, in large vineyards and orchards. Price, from 6 to 10 cents per pound, according to quality.

**Fir Tree Oil Soap**. To all interested in the production of fruits and flowers, the effectiveness of Fir Tree Oil as an insecticide is well known and we recommend it as the most satisfactory yet produced. In ½ pound tins, 25c. One ounce makes one gallon mixed with water.

**Slug Shot**. Slug Shot is an impalpable powder, a combination of insecticides; poisonous to insects preying upon vegetables, and withal an excellent fertilizer, affecting nearly all classes of insect life, so that they either die or leave for parts unknown. **IT KILLS THE POTATO BUGS** in all stages of their growth. **IT KILLS THE BLACK FLEAS** on Cabbage, Turnips, Beets, Radishes and Egg Plants. Apply by dusting over the plant. **IT KILLS THE CABBAGE WORM**, and also the Currant and Gooseberry Worm; the Aphid or Green Fly on Roses and other flowers. Has prevented the ravages of the Curculio and Canker Worm on fruit trees; used for Beans, Melons, Squash, Cut Worms. **KEEPS THE STRIPED BUGS FROM ALL VINE CROPS**. For full information and testimonials from all sections of the United States apply for pamphlet "Hammond's Slug Shot and its Uses." Slug Shot is put up in 5 and 10 pound packages, and in flour barrels, loose, that contain 235 pounds each. It is applied by a duster or bellows. Price, for 5-pound package, 25c; 10-pound package, 50c; 100 pounds, 4c. pound. Full directions on every package.



TRADE MARK.

## FORMULAS FOR PREVENTING LEAF BLIGHT AND DESTRUCTIVE INSECTS WHICH INFEST FRUIT TREES, VINES AND PLANTS.

**Apple.**—To destroy the codling moth, canker worm and apple curculio, use one pound of London Purple to 160 gallons of water. Spray the trees soon after the blossoms fall, when the apples are the size of a pea. If the best results are to be obtained, a second application should be made in a week or ten days thereafter. The second application is made necessary if the first is followed in a few days by a heavy rain.

In preparing the London Purple for use, mix thoroughly in sufficient water to a paste-like consistency; then stir into a pail of water and allow to stand over night. Strain this through a fine sieve or a coarse cloth into the distributing barrel or tank.

Paris Green has been used in many instances, but great care should be taken in not making mixture too strong—one-half pound being enough for 160 gallons of water.

**Plums and Cherries.**—**PLUM CURCULIO.**—Use one-fourth pound of London Purple to 40 gallons of water, spray soon after the petals have fallen, and again ten days later. From experiments carried through two seasons we reach this conclusion: First—Three-fourths of the cherries liable to injury by the plum curculio can be saved by spraying as above. Second—That enough of the plum crop can be saved by the same treatment to insure a good yield. Third—That there is no danger to health from its use. Fourth.—That spraying is the cheapest and most practical method of preventing injuries by these insects.

**Pear and Quince Leaf Blight.**—The fungicide to be applied is the Bordeaux Mixture, same as is used to prevent grape rot. This is prepared as follows: Dissolve 6 pounds of sulphate of copper in 10 gallons of water; in another vessel slack 4 pounds of lime to 6 gallons of water. When the last mixture has cooled pour it into the copper solution, taking care to mix the fluids thoroughly by constant stirring. It is well to have this compound prepared some days before it is required for use. It should be well stirred before applying.

**SEEDLINGS.**—Make five applications, the first when the leaves are one-quarter grown; others at intervals of ten days until the trees are budded.

**LARGE TREES.**—Spray five times, first when the fruit is the size of peas, and thereafter at intervals of ten or fifteen days.

**Grape Rot and Mildew.**—Use Bordeaux Mixtures, sure preventive. **Bordeaux Mixture (A)**—Dissolve 16 pounds of Blue Vitriol in 22 gallons of water; in another vessel, slack 6 pounds of lime in 6 gallons of water. When the last mixture has cooled pour it slowly into the copper solution, taking care to mix the fluids thoroughly by constant stirring. It is well to have this compound prepared some days before it is required for use. It should be well stirred before applying. A solution containing the ingredients in the following proportions has been recommended for general use.

**Bordeaux Mixture (B).**—Dissolve 6 pounds of Blue Vitriol in 16 gallons of water and slack 4 pounds of fresh lime in 6 gallons of water. When cool mix the solutions as described above.

**Treatment.**—As a first step every precaution should be taken to remove as much of the infectious material as possible. With this object in view the old leaves and rotten berries should be carefully collected in the fall or winter and burned or buried. Trimmings should also be burned, as they often harbor thousands of the minute spores or reproductive bodies of the fungus. The Bordeaux Mixture has proven beyond a doubt to be the most reliable preventive to black rot. In all cases it must be remembered that these treatments are *preventives*, and being such it is sheer folly to wait until the enemy appears before beginning the fight.

In the spring after the vineyard has been pruned and put in order by the plow, but before vegetation starts, spray the vines thoroughly with the Bordeaux Mixture (formula A). The object of this spraying is to destroy any spores of the fungus that may be hidden away in the crevices of the bark. About ten days before the flowers open, spray all the green parts of the vine with the Bordeaux Mixture (formula B), taking care to wet the foliage thoroughly. Spray again with the same preparation when the flowers are opening, repeating the operation every three weeks until the fruit begins to color. The necessity for beginning the treatment early can not be too strongly urged.

**Currants, Raspberries, Strawberries and Gooseberries.**—Currant worms and the slugs and insects which infest raspberry and gooseberry bushes and strawberry vines, may be destroyed by one ounce of powdered white hellebore mixed with two gallons of water.

**Peaches.**—If sprayed at all this fruit should be treated very carefully. Use Paris Green in preference to London Purple on this crop, seeing that it is kept constantly stirred; and do not make the mixture stronger than one ounce to 20 gallons of water. Spray late in the afternoon or on cloudy days, rather than in the hot sunshine.

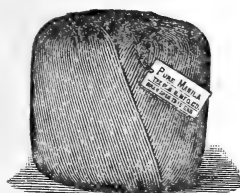
**To Prevent Potato Blight or Rôt.**—Use Bordeaux Mixture, same as for grape rot, with exception of using more water. Dissolve 6 pounds of Blue Vitriol in 32 gallons of water and slack 4 pounds of fresh lime in 12 gallons of water. When the last mixture has cooled, pour it slowly into the copper solution, taking care to mix the fluids thoroughly by constant stirring. When the vines are about ten or twelve inches high, spray, and continue the operation every two weeks. By mixing with Bordeaux Mixture a solution of London Purple, one pound to 200 gallons of water, the fungus and potato bug may thus be doctored at one operation.

**Cabbage Worms.**—For destruction of the cabbage worm use slug shot.

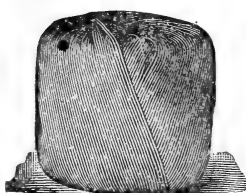
**To Destroy Chinch Bugs, Etc.**—To destroy suctorial or sap-sucking species of insects, including chinch bugs, squash bugs, plant lice, leaf hoppers, aphids or bark lice, use Kerosene Emulsion.

**Kerosene Emulsion** is one of the most useful of the insecticides and may be easily prepared as follows: Dissolve one-half pound of hard soap (best whale-oil soap) in four pints of water by boiling; when the soap is all dissolved, remove from the fire, add eight pints of kerosene and agitate the whole briskly until a staple mixture is obtained. This is best done by using a force pump and pumping the mixture with force back into the vessel that contains it. The emulsion may be diluted to the desired strength and used at once or may be allowed to stand and be used from when needed. The strength ordinarily used is prepared by diluting one part of the emulsion in ten to twelve parts of water, which makes the kerosene about one-twentieth of the whole.

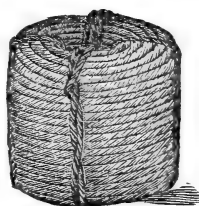
## BINDER TWINES AND ROPE. QUALITY GUARANTEED.



Pure Manila.



Standard Manila.



Manila Rope.

Manila Rope, 1,  $\frac{7}{8}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{1}{4}$  inch. Sisal Rope, 1,  $\frac{7}{8}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{16}$  inch.

Our Twine and Rope are of unequalled make, and prices as low as first quality Twines can be sold by any reliable business firm in this country. Samples and prices (naming amount wanted) upon application.

Pure Manila runs 650 feet to 1b.; Manila not pure, runs 625 feet to 1b.; Standard Manila, mixed with New Zealand, color same as Manila but fibre not so good, sold by many as Manila, 600 feet to 1b. Pure Sisal, natural color, 500 feet to 1b.

## GARDENING AND HORTICULTURAL TOOLS.

A full line, of which we will mention the following:

Forks—Digging and Spading—Hay or Stable.....	\$0.30 to \$1.50
Forks—Manure and Short Handled.....	.30 to 1.25
Grafting Wax, in $\frac{1}{4}$ , $\frac{1}{2}$ and 1 lb. packages.....	.10 to .30
Grass Hooks, each.....	.25 to .50
Grass Edging Knives.....	.50 to 1.00
Hoes—A full line.....	.20 to 1.00

Rollers—Garden and Field.....	\$9.00 to \$50.00
Scythes—Brush, short blade.....	.50 to 1.25
Scythes—English and American Lawn Grass and Grain, cast steel, in sizes, Scythe Stones—Different kinds, 75c. per dozen; each.....	.50 to 2.30
Saws—Pruning and Grafting.....	.05 to .10
Transplanting Trowels.....	.50 to 1.50
	.10 to .50



Allen's New Century Pruner is operated from the ground and is guaranteed to do better, also more work with less labor, than any other pruner made. Price \$1.



AGENTS  
WANTED.

Allen's New Century Fruit Picker does not injure fruit and is the only practical fruit picker made. Price, 75c.



Transplanting Dibbler, 30c.



Hotbed Cloth.

**Hotbed Protecting Cloth.**—Specially prepared to prevent mildewing and rotting, valuable for forwarding and protecting early plants from frosts, covering hotbeds and frames in Spring, in lieu of glass, and for throwing over bedding plants at night in Fall, for Chrysanthemum houses, etc., at one-tenth the cost of glass. Pieces contain from 40 to 60 yards. Price, heavy grade, per yd., 11c; by piece, per yd., 10c; medium grade, best for general purposes, per yard, 10c; by piece, per yard, 9c.

Hedge Shears,  
best English Steel,  
\$1.75 each.



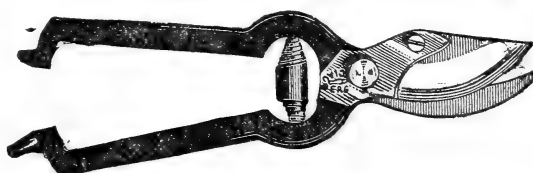
Weeders—Lang's, Noyes and other makes. Price, 25c.



Greenhouse Syringes, \$1.25 to \$6.50.



Price, 75c. to \$1.50.



Pruning Shears—Solid Steel, improved springs and others 50c. up to \$1.25.

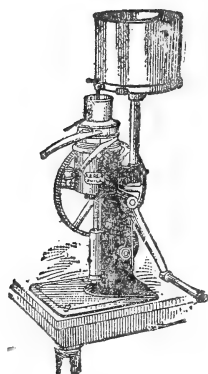


The Wilson Spring Whiffletree.  
Price, pair, \$1.40, \$1.65, \$1.75.



Price, 15 cents.

## THE REID CREAM SEPARATOR.



The Reid Cream Separator.

Our customers will make no mistake in buying the Reid Separator, for it combines many new improvements that place it ahead of all other makes.

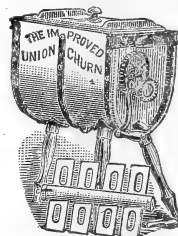
It is the lightest running, most simple and durable; also has less parts to take care of than any of the others now on the market.

We guarantee them in every way, and put them out on trial, so you run no risk in buying. Send us your order.

Size 1—Capacity 350 to 450 lbs. .... \$ 85 00  
Size 2— " 500 to 600 lbs. .... 100 00

## DASH CHURNS.

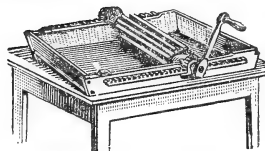
No. 1 Union Churn, holds 5 gallons.....	price, \$3 50
No. 2 " " " 7 " .....	" 3 75
No. 3 " " " 10 " .....	" 4 75
No. 4 " " " 15 " .....	" 5 25



## BARREL CHURNS.

No. 0 Barrel Churn, holds 6 gallons—price, \$3 00
No. 1 " " " 10 " — " 3 20
No. 2 " " " 15 " — " 3 40
No. 3 " " " 20 " — " 3 50
No. 4 " " " 25 " — " 4 50
No. 5 " " " 35 " — " 6 00
No. 6 " " " 45 " — " 8 60
No. 7 " " " 60 " — " 9 75

Barrel Churns should never be filled quite half full.  
Power Barrel Churns priced on application.



## REID HAND BUTTER WORKER

The best, strongest and easiest operating machine made.

No. 1, 23x36.....	\$7 50
No. 2, 20x36.....	6 00
No. 3, 17x27.....	5 25
No. 4, 14x23.....	4 50



Barrel Churn.

## FARM PAILS.

These Pails are manufactured here in Toledo, of quartered White Oak, with patented continual strap ear and bottom support.

They are the best pails on earth for stable and farm use. Price, 40 cents each. Send us your order.



## HAYING TOOLS.

**THE BOSS.**—The lightest and strongest made Reversible Carrier, for wood track. This Carrier is used more extensively throughout the United States than any other Carrier made. It is made entirely of malleable iron. Strickler's New Reversible Dead Lock and Swivel Steel Track Hay Carrier, the strongest and most durable of any in use; cannot break; is made of steel and malleable iron. Price, each, \$4.00.

**HAY FORKS AND GRAPPLERS.**—The Improved Harris Double Harpoon. Price, Forks \$1.00 each; Grapplers 50c. each.

Steel Track and Couplings, Pulleys of all kinds, Hanger Hooks, Floor Hooks, Rafter Brackets and Irons, Steel Grapplers, Rope Hitches and Rope.

Janesville new Hay Slings, complete with Carrier. With these a wagon load of Hay, Straw, or Grain can be unloaded and elevated in a few minutes.

## HAY LOADERS, HAY TEDDERS, HAY RAKES.

Latest Improved Hay Loaders.....	\$45 00	Advance Improved Horse Hay Rake.....	\$13 00
Advance, 6-Fork Hay Tedder, for 1 or 2 horses	24 00	Improved Self-Dump Horse Hay Rake.....	17 00
Advance, 8-Fork Hay Tedder, for 1 or 2 horses	28 00		

## BALING PRESSES.

Empire Hand Presses, for Baling Hay, Straw, Paper, Rags, Wool, Corn Husks, Hair, Tobacco, Cotton, and for general purposes ..... \$85 00

Leading Hand, Horse and Steam Power, Hay and Straw Presses..... \$90 00 and upwards.

Write us if in want of a Baling Press of any kind, and we will mail you descriptive circular and lowest price.

## THRESHERS AND CLOVER HULLERS.

Our arrangements with the Aultman & Taylor Machinery Co., Advance Threshing Co., and Birdsell Manufacturing Co., are such that we can make anyone in want of a good Threshing Outfit, and the best Clover Huller, rock-bottom prices. Call and see us or write us your wants, when we will be pleased to quote you rock-bottom prices.

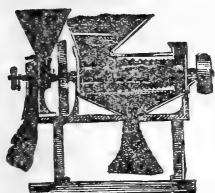


## FEED MILLS AND CRUSHERS.

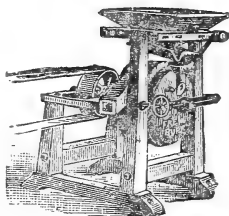
The Kelly Duplex Feed Mills, all sizes.....	\$30 00 to \$ 70 00
The Nonpareil Feed Mills, all sizes.....	40 00 to 200 00
The Champion Combined Feed Mill and Corn Sheller .....	40 00 to 60 00
The Ohio Corn and Cob Sweep Feed Mill.....	22 00
French Buhr Stone Farm Mills.....	75 00 to 300 00

All the before named Mills will crush and grind corn on the ear into fine meal; also any kind of grain, separate or mixed. Descriptive circulars, giving full information and prices of same upon application.

Agricultural Furnaces, Caldrons and Kettles.



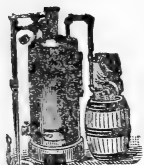
The Champion.



French Buhr.

Agricultural Portable Furnaces and Farmers' Boilers, complete— $\frac{3}{4}$ , 1, 1 $\frac{1}{2}$ , 2 and 3 barrels. Also Caldrons for same. **Iron Kettles**, from 5 pails up to 5 barrels, at lowest market price.

## THE PHILIPPS IMPROVED FEED COOKER.



Feed Cooker.

The illustration shown faithfully represents our Steam Feed Cooker or Agricultural Boiler, and we believe it to be the best Cooker ever placed on the market. It is made in the most substantial and workmanlike manner. The material used in its construction is the **best boiler plate steel**, 60,000 pounds tensile strength, hand-riveted, tested to 100 pounds hydrostatic pressure, securing perfect safety and ample capacity to users. The fire door is of ample size, and the grate is so designed that any kind of fuel may be used. The boiler is of the tubular type, the flues passing through the water, giving unusually large heating service, and as durable and efficient as any engine boiler of same dimensions.

### SIZES AND PRICES.

**No. 1.**—Diameter of shell, 19 inches; height of shell, 40 inches; number of 2-inch flues, 9; length of boiler, 54 inches; shipping weight, 360 pounds; price, \$25.00.

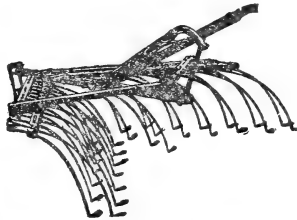
**No. 2.**—Diameter of shell, 19 inches; height of shell, 40 inches; number of 2-inch flues, 13; length of boiler, 58 inches; shipping weight, 430 pounds; price, \$27.50.

The following fittings and trimmings are furnished with each Cooker: One safety valve, two gauge cocks, one pump, two valves, glass water gauge, steam gauge, sufficient pipe connections, and two feet of hose. It is fitted with connections for one tank or barrel, but may be used with three or five, with additional pipe and fittings. Send us your order for one.

## KEYSTONE ADJUSTABLE WEEDER AND CULTIVATOR.

This Weeder we introduce on its merits and can truthfully say that it is the **very best** Weeder made. Every farmer and gardener should have one. Price, \$8.50.

### The Little Giant Hand Broadcast Seed Sowers.



**The Greatest Labor and Seed Saving Invention of the Age.** The Crank or Geared Seeder will be preferred by many. They are the best, as to work and durability, at one-half the cost of other makes.

### With Metal Bow and Agitator or Force Feed.

This is the **best built**, easiest running, most perfect machine in the market. It saves one-third seed and two-thirds labor. Weighs but three pounds. Man or boy can sow on hilly, stumpy, stony and rough, as well as on clean and old land, perfectly even any desired quantity (one quart to three bushels per acre) of Clover, Timothy, Millet, Hungarian, Flax, Wheat, Rye, Oats, Peas, Corn, Orchard Grass, Blue Grass, Red Top or other seed, Fertilizer and Ashes, etc. Price for Bow Seeder, single one, \$1.50; three in one order, \$4.25; six in one order, \$8.50; single crank Seeder, \$2.00; three in one order, \$5.75; six in one order, \$11.00, to any place in the United States. Express charges prepaid by us. **Special price for larger orders.** Fully warranted the best out. It is the best implement of its kind and for the money on earth. No farmer who has used one would do without it for five times its cost. Strongest, prettiest and lightest running. No equal on the market. A liberal discount to agents and dealers; write for special circular and directions. We sold thousands of them in the last few years and every one gave the best satisfaction, as hundreds of the most flattering testimonials from all parts of the United States will testify. We guarantee either one to give entire satisfaction. We allow 50c. on each single Seeder and 25c. each on orders for three and six, ordered and shipped with seeds, etc., at purchaser's expense.

No careful, economical farmer will continue to sow his seed by hand (the old style) when he can get one of these machines at our reduced prices. They will save their cost almost daily in saving of the seed, to say nothing about saving of time and more even distribution, which will have a great effect on the crop.



## DEERING HARVESTING MACHINES, ETC.

Agency for the celebrated Deering Binders, Mowers, Reapers and Repairs. Royce Single Reapers and repairs for same. Keystone and Rosenthal Corn Huskers and Fodder Shredders—the best machines made for this work. Satisfaction guaranteed. Write for prices.

Grain Drills, Cider Mills, for hand and power; Wheelbarrows, garden and canal; Scales, counter and warehouse; store and warehouse Trucks; Farmers' and Gardeners' Steel Tools, Shovels, Spades, Scoops, Hoes; Iron, Steel and Wooden Rakes. A full line of the most improved and best Lawn and Garden Tools made, which we guarantee to be as represented, and sell them at the lowest price possible. Write for prices.

## LEVER AND TREAD HORSE POWERS.

The Improved Champion Lever Horse Power, also Heebner's Tread Powers, and we guarantee them to be the best in the market. At bottom prices. Be friendly and write us your wants.

## CHURCH, SCHOOL, AND FARM BELLS.

The celebrated **Blymyer Bells** for Churches, Academies, Schools, Court Houses, Fire Alarm, Factory and Farm. Unrivalled for sweetness, purity of tone and durability. Kindly let us know what kind, size and tone Bell is wanted, and we will send descriptive circulars and prices. They are guaranteed for two years, and if broken at any time will replace a new Bell for one-half the price.

**Crystal Metal Farm Bells**, Nos. 1 to 5, from \$1.25 to \$3.00 each.

## THE IMPROVED CLIPPER GRAIN AND SEED CLEANER.

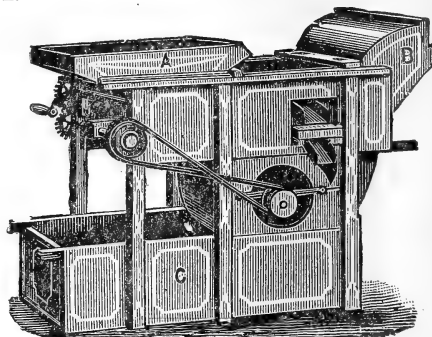
The Most Perfect, Strongest and Cheapest Mill on Earth.

This Mill will do what no other Mill ever has or will do.

This Clipper Mill, No. 1, is for general use, is furnished with ten sieves, suited for all kinds of grain and seed, nine of which are zinc—the best material for sieves as it will not rust. This Mill cleans Wheat, Oats, Rye, Barley, Corn, Rice, Beans, Buckwheat, Coffee, Spice, Flax, Clover, Timothy, Millet, Hungarian and all other grasses and garden seeds with once through, and leaves no tailings to be recleaned. They separate Peppergrass, Plantain, Buckhorn and other foul and noxious seed from Clover and Red Top, Plantain and Peppergrass out of Timothy Seed. The only Mill which separates Red Clover, Timothy, Dock and noxious seed from Alsike Clover. It separates Cockle and Mustard from Wheat and Oats. You can grade all your grains perfectly for seed.

Another important and strong point of the Clipper Mills over others is that they are more compact and stronger built. They have a large box which the grain and seed drops into, and the price is as low as any ordinary mill. Nos. 1 and 2 Clipper Mills, for hand power; Nos. 5, 6, 7, 9 and 10 Clipper Mills for power only.

Price, No. 1, \$20.00; price, No. 2, \$30.00. Special circulars mailed on application.



## BUTLER STEEL HAND CART.



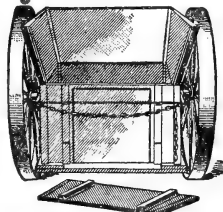
For the business man in every line this cart is indispensable. The platform hangs low; rides level.



Will hold four milk cans and is in great demand in the creamery and dairy.



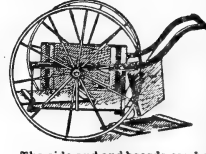
Tips forward and picks up a barrel or heavy article same as a warehouse truck. No heavy lifting.



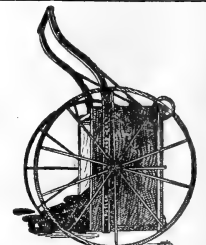
Sides and ends 12 inches high, extend upward and outward from the regular cart box, making a very useful rig for handling leaves, trash, grass, ensilage, etc. Capacity 2½ cubic feet, or about 14 bushels.



This can be used continuously around the farm, garden or house. Box 26 ins. long, 25 ins. wide, 15 ins. deep inside. Capacity 11 cubic feet.



The side and end boards can be quickly detached. Easily loaded as a wheelbarrow.



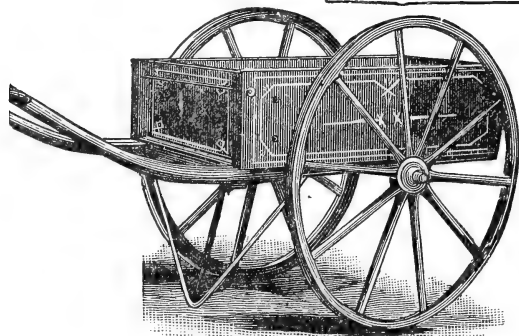
Will turn clear over and dump load without shoveling.

**F**ILLS the want for a 2-wheel hand truck better than all others combined. It is not merely suitable for one special purpose but for all. If you have use for a warehouse truck, the **BUTLER** fills that want. If you want a barrel cart, you have it in the **BUTLER**. While as a box cart for handling leaves, cut grass, trash, dirt, ashes, small grain, etc., it is your best friend. Merchants, printers, bakers, confectioners, and hotels find it a great convenience for handling or delivering barrels, kegs, boxes, packages, etc. There is not a day around the farm, dairy, creamery, yard, garden or business house that it will not be in demand. It is light in weight, has great strength, and excels in general utility all other carts, and if numbers sold is any criterion of merit, this is unquestionably the cart of the future.

## HAND AND BARREL CARTS.

This style Hand Cart has 36 inch wheels, box 24x36 inches, 10 inches deep, with removable end boards, \$6.00.

Barrel Cart, with and without the barrel. Price, with barrel, \$5.00; without the barrel, \$3.50. Any ordinary water barrel will fit, and is bolted to the axle, and the barrel is held upright and in position by the frame, used also as a handle or shafts. The barrel can be taken out and put in without any trouble, and a box substituted.



## IMPROVED HAND CORN PLANTERS.

**Smith's Celebrated Ohio Corn Planter.** This Planter has stood the test for 40 years, and never failed to receive the highest commendation in a single instance. Price, \$2.00. Special price in dozen lots.

**The Celebrated American Hand Plunger Corn Planter**, greatly improved, \$1.25 each.

**The Eureka, Triumph**, and other Hand Corn Planters, 75c. to \$1.00 each; less price for dozen lots.

## ACME HAND POTATO PLANTER.

This is the pioneer implement of its kind. *Simple, Practical, Durable.* It is the lightest (weighs but 2½ pounds), strongest and most durable Hand Potato Planter yet made. Puts in the seed cheaper, easier and better than any other method. Works perfectly in clay, gravel or sandy soil, sod or new ground. Any farmer with less than thirty acres of potatoes to plant can put his seed in CHEAPER WITH THE ACME PLANTER than by any other way. It is considered a good day's work for a man to plant three-fourths of an acre of potatoes in a day. With an ACME PLANTER a man can plant two ACRES in a day of ten hours.

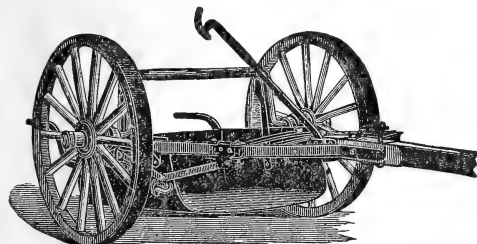
It makes the holes, drops and covers at one operation. Once over the field does the work. Special price, \$1.00.

## TOOLS FOR TOWNSHIP OR CONTRACT WORK.

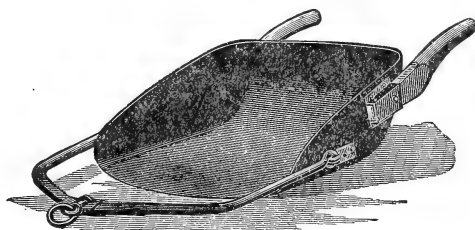
**Columbus Solid Steel Square and Pressed Bowl, Wheel and Drag Scrapers.**

No. 1—Winner Pressed Bowl Steel Scraper.....	\$5 00
No. 2—“ “ “ “ “ “.....	4 75
No. 3—“ “ “ “ “ “.....	4 50

Add extra 25 cents for Runners.



Columbus Wheel Scraper.



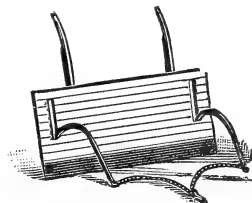
Solid Steel Scraper.

Columbus Wheel Scraper—Square Bowl.....	No. 1. \$26 00	No. 2. \$36 00	No. 3. \$39 00
“ “ “ “ “ “.....	27 00	37 00	40 00
“ “ “ “ “ “.....			

**Doan's Patent Board Scraper—One size.....** \$4 50

Be sure to buy no other make, even for less money, as the GENUINE DOAN is the ONLY ditching scraper worth buying.

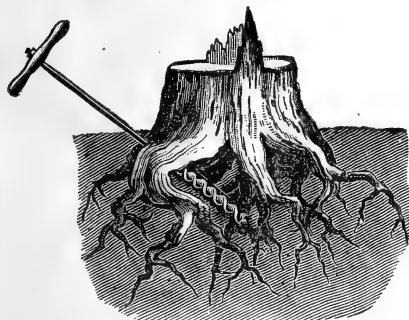
We carry in stock heavy grade and contractors' Plows, suitable for two to ten horses. Also, agency for steam or horse ROLLERS, Road Machines, etc. Can furnish MATTOCKS, PICKS, SHOVELS, etc. So please let us know your wants in that line, when we will name you right prices for best goods money will buy.



Doan's Scraper.

## DYNAMITE.

For blasting stumps and boulders there is no other explosive so effectual and safe to handle. Farmers can readily make kindling wood of their stumps, and the crops grown in the place they occupied will pay the expenses of the powder in a few seasons. It is manufactured in all grades and sizes. Best results in stump blasting are obtained by boring a hole under the stump in the ground, so as to locate the charge under the point of greatest resistance—up-hill side is the best, then ram in the charge, taking care that it is located in good solid ground and not in some hollow or rotten centre; then tamp the hole perfectly on the charge and fire. With little experience by any farmer, he can make results like picture shown. The fragments can be piled up and in a few weeks burned up, as the dirt is blown off and larger pieces splintered by the blast.

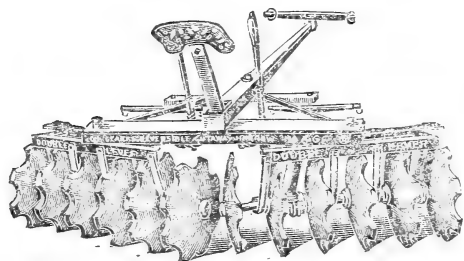


## PRICES.

	Per lb.
No. 20 contains 20 per cent. nitro-glycerine.....	\$0 10
No. 30 “ 30 “ “ “.....	12
No. 35 “ 35 “ “ “.....	13
No. 40 “ 40 “ “ “.....	14
No. 45 “ 45 “ “ “.....	15
No. 50 “ 50 “ “ “.....	16
No. 60 “ 60 “ “ “.....	18
Double Strength Caps.....@	\$6 00 per 1000
Treble “ “ “ “.....@	7 00 “ 1000
Cotton Safety Fuse.....@	3 00 “ 1000 ft.
Single Tape “ “.....@	3 75 “ 1000 ft.
Double “ “ “ “.....@	5 00 “ 1000 ft.

## IMPROVED CUTAWAY AND OTHER HARROWS.

The famous **Clark's Cutaway Harrow** supersedes the plow and makes a perfect seed bed. **Clark's Improved Cutaway Harrow** is "The Boss."



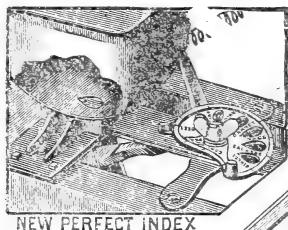
It beats anything in the way of a Spading and Pulverizing Harrow ever introduced. With it you can prepare your land for Oats seeding without plowing. They have no equal. We have tested them with other so-called Spading Harrows and found they were no competitors to the CUTAWAY. Hard clay or stubble made into a perfect seed bed. Has also seeding attachment for sowing all kinds of grain and grass seed. We have all sizes of them for one, two and three horses. Also Cultivators for use in corn, orchards and vegetable gardens for fruit growers especially. No tiller of soil can do without it. We have sold them for the last twenty years and have the most flattering testimonials, and can refer to hundreds who use them. We have the **EXCLUSIVE AGENCY** for them in this section, and sell them at manufacturer's prices. Call and see or send for full descriptive circular and prices. Price, \$22.50 for two-Horse Harrow.

**Clark's Cutaway Sulky Disc Plows.** Catalogue and prices upon application.

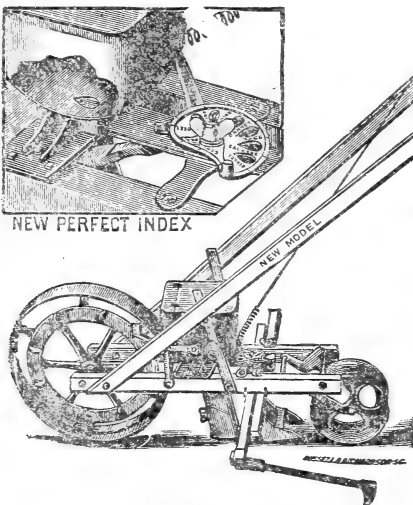
**Diamond Steel Tooth Harrows.** These Harrows with patent Steel Teeth, each tooth riveted, which prevents splitting. We have 48-tooth, cutting 8 feet; 60-tooth, cutting 10 feet; 72-tooth, cutting 21½ feet. These are all Hinge Harrows—hinge made of wrought iron. We have a section Harrow, with long eveners, sold by the section, 20 teeth in each section. Two sections, 40 teeth, cuts 8 feet; three sections, 60 teeth, cuts 13 feet, steel teeth riveted. These are for small gardeners. Price, from \$3.00 to \$12.00.

**The Tiger Protection Steel Frame, Spring Tooth, Floating Harrow; The Tiger Protection Wood Frame, Spring Tooth, Floating Harrow**—of different sizes and prices.

**Evans' Adjustable Steel Frame Lever Harrows.** 50, 60 and 70 Solid Steel Teeth. It is acknowledged to be the most perfect Harrow on the market. Price, \$9.50, \$10.50, and \$11.50 each.



NEW PERFECT INDEX

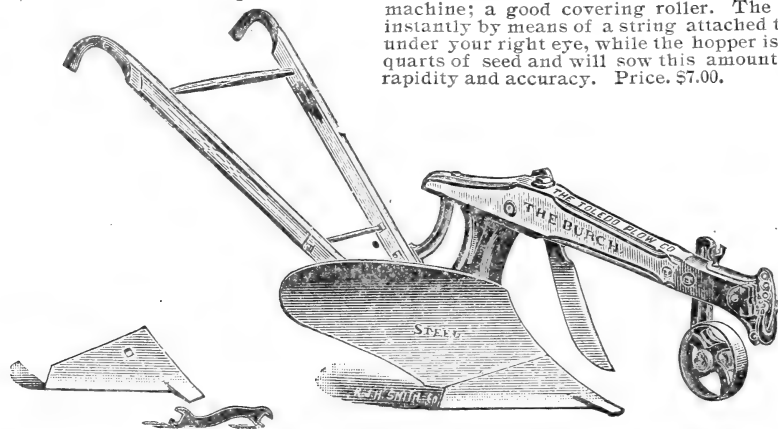
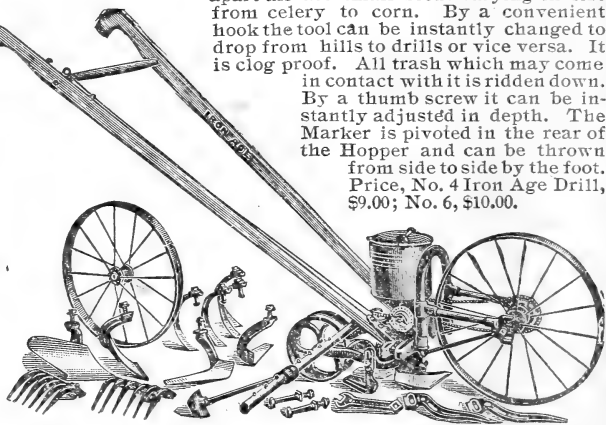


New Model Drill.

**The New Model Seed Drill.** One of the best Drills made. It has many advantages over other Drills. It has an excellent marker, a broad wheel lending ease to work the

machine; a good covering roller. The flow of seed can be stopped instantly by means of a string attached to your hand. The index is under your right eye, while the hopper is easily watched. Holds two quarts of seed and will sow this amount or a paper with equal ease, rapidity and accuracy. Price, \$7.00.

**The No. 6 "Iron Age" Combined Double Wheel Hoe, Hill and Drill Seeder.** Packed weight 50 lbs. This tool is similar in construction to the No. 4 Combined Double Wheel Hoe and Seed Drill. As a Single or Double Wheel Hoe it is identical. We will only speak of it wherein it differs from the No. 4 Drill. Besides drilling it will also drop in hills at 4, 6, 8, 12 or 24 inches apart all the small seeds varying in size from celery to corn. By a convenient hook the tool can be instantly changed to drop from hills to drills or vice versa. It is clog proof. All trash which may come in contact with it is ridden down. By a thumb screw it can be instantly adjusted in depth. The Marker is pivoted in the rear of the Hopper and can be thrown from side to side by the foot. Price, No. 4 Iron Age Drill, \$9.00; No. 6, \$10.00.



**The Toledo Burch Plow,** the best Plow made. Guaranteed to please or money refunded.

### PRICES.

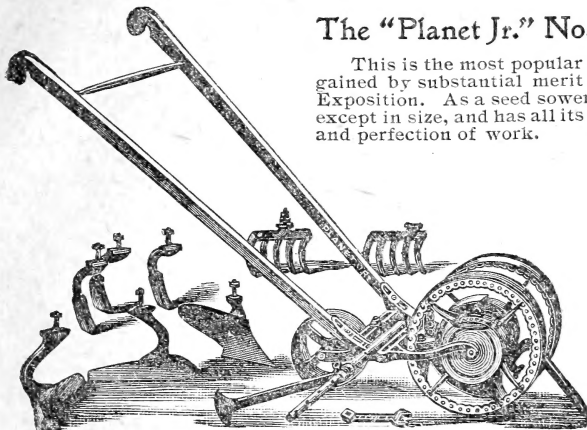
All Steel.....	\$16 50
With Cast Point.....	14 00
All Chilled.....	11 00

## "PLANET JR." GARDEN TOOLS FOR 1903.

Space will not permit illustrating and describing all of the "Planet Jr." tools, but we will gladly send a fully illustrated Catalogue to any who desire it; and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us, you can rely on getting bottom prices. Prices reduced this year.

### The "Planet Jr." No. 1 Combined Drill and Wheel Hoe.

This is the most popular combined tool known, and its friends have been gained by substantial merit alone. It won the highest award at the Paris Exposition. As a seed sower it is identical with the No. 2 "Planet Jr." Drill, except in size, and has all its merits, its strength, durability, ease of operation and perfection of work.



both width and depth while in motion; it contracts to twelve inches, and may be further reduced in width by taking off the outside teeth; it expands to thirty-two inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. See price list, page 88.

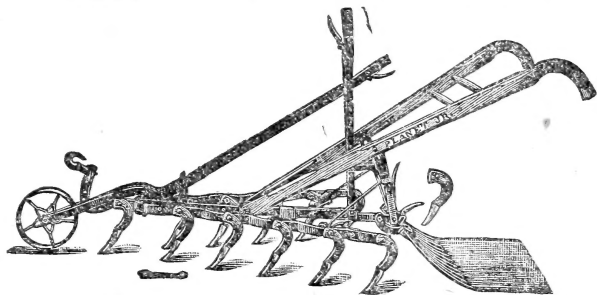
Thousands of farmers and gardeners who own this tool save its cost one or more times every year, for in an onion field and among many other crops, one can do more and better work with it than six men with ordinary hoes. It is invaluable for all market garden crops. The wheels are only ten inches high, as a high wheel is wrong for a Wheel Hoe,

### "Planet Jr." 12-Tooth Harrow.

This comparatively new tool has grown rapidly in favor with market gardeners and strawberry growers. It is carefully made and finished, has a high frame and the chisel-shaped teeth cut an inch wide each, and may be worn down three inches before that width is lessened or the teeth worn out; even then they are cheaply replaced.

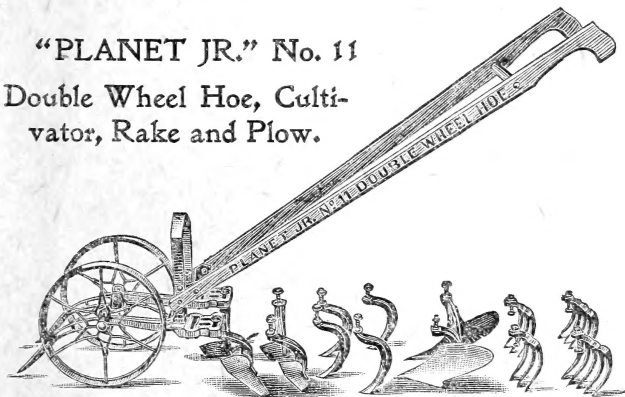
It may be set with teeth trailing by simply changing one bolt in each tooth.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate



### "PLANET JR." No. 11

Double Wheel Hoe, Cultivator, Rake and Plow.



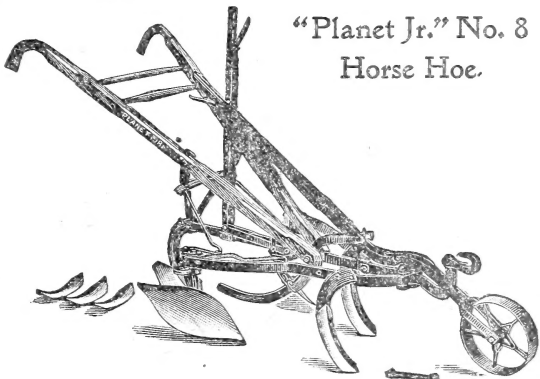
To accommodate those who have little work but hoeing, we offer the above machine with hoes only, under the name of "Planet Jr." Plain Double Wheel Hoe. The other parts can be added at any time and will be found to fit. See price list, page 88.

### The "Planet Jr." No. 8 Combined Horse Hoe and Cultivator.

This well-known and popular tool, though acknowledged for years past to be the best in the market, has striking improvements for 1903. As a Horse Hoe with side teeth reversed it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a cultivator the reversible teeth cut off and turn over the weeds in the most perfect style. As a hiller, the side teeth work in combination with the rear shovel to perfection. We can supply a large variety of attachments for these machines; full information will be mailed upon application. See price list, page 88.

since the wheels are simply depth regulators, not load carriers.

The "Planet Jr." Double Wheel Hoe will straddle plants 18 inches high, and finish rows from six to eighteen inches apart at one passage. One hoe sets slightly ahead of the other to prevent dragging out young plants. The new frame permits the changing of attachments WITHOUT REMOVING THE NUTS. All the tools shown in the cut go with the machine for the price; and all blades are steel, hardened in oil and polished. The wheels are adjustable to make the work shallow or deep, as required, and to adapt the machine to all width rows. The tool is charming in every style and kind of work, the admiration of all who see it in operation, and is the acknowledged standard the world over.



### "Planet Jr." No. 8 Horse Hoe.

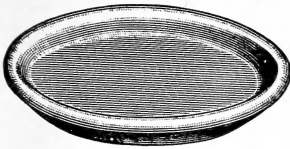




## FLORISTS' SUNDRIES.

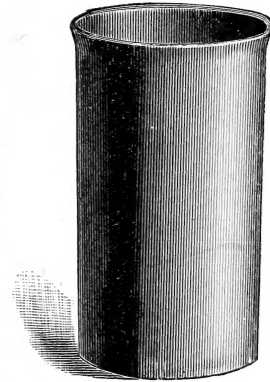
Mastica and Old English Glazing Putty, Mastica Machines and Putty Bulbs, Florists' Tinfoil, Wax Paper, Silkline, Immortelles and Chenille, Boston Florists' Letters and Script, White Doves, Galax Leaves, Stemming Wire, Wire Designs, Pot Labels, Toothpicks, Flower Pots and Saucers, Watering Pots, Sphagnum Moss, Tobacco Dust and Stems, etc.

### Flower-Pot Saucers.



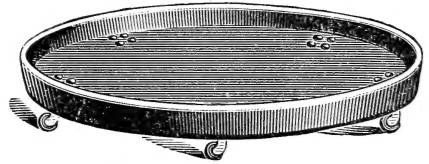
	100 in crate.	
4 inch.....	\$6.00 per 100	
5 " .....	6.25 " 100	
6 " .....	6.75 " 100	
7 " .....	7.10 " 100	
8 " .....	7.60 " 100	
	50 in crate.	
9 " .....	\$8.20 per 100	
10 " .....	8.70 " 100	
	25 in crate.	
12 " .....	\$10.00 per 100	
14 " .....	17.00 " 100	
	50 in crate.	
11 " shallow..	\$9.10 per 100	
	25 in crate.	
12 " shallow..	\$10.00 per 100	
13 " shallow..	12.00 " 100	
14 " shallow..	15.00 " 100	
	12 in crate.	
16 " shallow..	\$20.00 per 100	

### Florists' Vases. For Displaying Cut Flowers.



Diam. inside.	Depth inches inside.	Order by No.	Plain per doz.
8	13	0	\$4.80
5½	10	1	4.20
4½	9	2	3.60
4	6	3	3.00
3	4½	4	2.40
9	22	00	9.00
5½	18	11	5.40
4½	15	22	4.80
4	12	33	4.20
3	9	44	3.60

### A "Wheeling" Dish.



THE FIBRE-WARE SAUCER shown by the accompanying illustration permits of the moving of heavy potted plants, palms, etc., without labor or difficulty. It is entirely free from joints, and consequently perfectly watertight; it is not affected by moisture; cannot rust; is light, strong and durable. Its ball-bearing casters with hardwood rollers run easily and raise the saucer sufficiently high to permit of a free circulation of air beneath. Its use will speedily pay for its trifling first cost in the saving of carpets or easily-marred hardwood floors.

Outside diam. about	Will take pot	Per dozen.
12 inches.	10 inches,	3 Casters. \$ 6.00
14 "	12 "	3 " 7.20
16 "	14 "	4 " 9.00
18 "	16 "	4 " 10.00
20 "	18 "	4 " 12.00
22 "	20 "	5 " 15.00

## FLOWER AND TREE TUBS.



No.	Diam.	Height.	Bottom.	Weight.	Price.
1	13½ in.	11½ in.	11½ in.	10 lbs	\$ .60
2	14 "	13½ "	12 "	12½ "	.90
3	16 "	15½ "	14 "	23 "	1.20
4	20 "	18 "	18 "	29 "	1.80
5	24 "	20 "	22 "	37 "	2.40
6	28 "	22 "	25 "	41 "	4.00

## THE CHANDLER MOLE TRAP.

A new Trap on common sense principles and sure death to the mole that enters it.

A child can manipulate it with perfect safety.

PRICE, \$1.00, F. O. B. express, Toledo.

This is the best Mole Trap on the market for several reasons:

**FIRST**—It will catch a Mole from two to four inches deeper in the ground than any other trap sold.

**SECOND**—You do not have to dig up from four to eight inches of your lawn to remove the mole from the ground or weight the trap to prevent it from springing out of the ground when tripped.

**THIRD**—There are no sharp needle-like spears lying around to endanger the lives of your children or stock.

**FOURTH**—When set it only extends five inches above the ground and seven inches in the ground, thus being the best trap on the market for HOTBEDS, and it will not interfere with the glass cover.

**FIFTH**—Being the only trap on the market that is ABSOLUTELY SELF-SETTING.

This Trap is made of best steel and plated to prevent rusting.

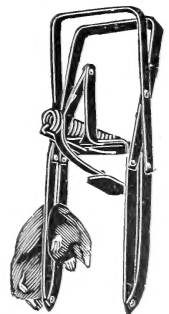
The first thing to do is to find the moles' regular runway, which usually starts from a building, a fence or a piece of ground not often disturbed. They pass through these runways regularly about 6 a.m., 12 m. and 6 p.m. Set your trap on one of these runways and you are sure to catch all the moles near-by. As many as thirty (30) moles have been taken from one of these runways by a CHANDLER MOLE TRAP.

Cut No. 1.



Open as Set.

Cut No. 2.



Sprung with Mole caught.

# OHIO BEARDLESS BARLEY.

This wonderful Beardless Spring Barley has now been grown by us for several years past with the best results, so we can safely guarantee it in every way as being the very best barley for farmers to raise.

Cattle will leave green clover to feed on the straw.

It is beardless, and the hull remains tight, which fact alone places it at the head of all barley.

Is six-rowed, of unusual length of head, well packed with solid plump grains clear to the tips.

Is the earliest to ripen, hence valuable to plant either in the extreme north or extreme south, and will do equally as well in the middle States.

Frost will not hurt it, and it can be planted early in March and ripens in June, therefore suited in every way to be easily handled by the farmer.

The straw is somewhat larger and taller than common barley, but much stiffer, and will stand up on any soil. Will produce from eighty to one hundred bushels to the acre, and combines all the rich and nutritious

qualities of the bearded sorts and being beardless, is easily handled and can be fed to stock the same as Oats.

By reason of the above facts this barley is worth more money to the farmer, especially so when you consider that barley weighs forty-eight pounds to the bushel as against oats thirty-two pounds, besides producing more bushels to the acre and selling for twice the money per bushel.

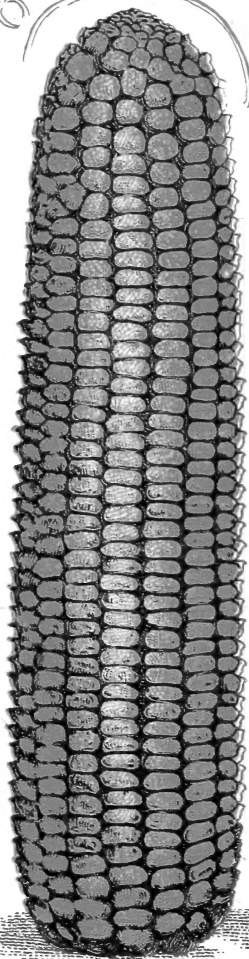
Try it and you will be pleased with your bargain.

Price, \$1.25 per bu.; 5 bu. or more,  
\$1.00 per bu.

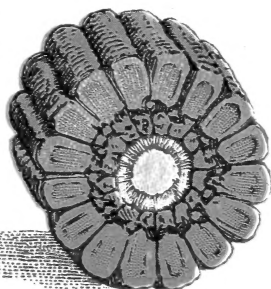
Bags extra, 16c. each.



OHIO BEARDLESS BARLEY.



OHIO EARLY GOLD MINE CORN.



## OHIO EARLY GOLD MINE CORN.

Is the best yellow corn that grows. It is early, ripening only a few days later than the Pride of the North; ears are of good size and symmetrical, color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint, grain is very deep, cob small and therefore it dries out very quickly as soon as ripe. SEVENTY POUNDS OF EAR CORN MAKE SIXTY TO SIXTY-TWO POUNDS OF SHELLED CORN, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon.

Price, peck 40c.; bushel \$1.25; 5 bushels or more \$1.10 per bushel.

### THE HENRY PHILIPPS SEED AND IMPLEMENT CO.

115 - 117 ST. CLAIR STREET,  
TOLEDO, OHIO.